# Curriculum Vitae

**JYOTI K C**                                                                                                          Brisbane, Australia

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## Professional Summary

- **10+ years** of experience and a highly skilled **Full Stack Developer** and T**echnical Lead** with a strong background in multiple programming languages and platforms.
- Working as a **Developer III** responsible for developing resilient applications across the globe and supporting **APAC** Client services team
- Skilled in **building**, **training**, **mentoring high-performing teams**, and consistent delivery of strategic software projects
- Familiarity with **Solid Design Patterns**, and **OOP** concepts with experience in managing all aspects of **SDLC** from initial capture of requirement through development, testing, delivery, and enhancement
- Experienced in **designing** and **building architecture** for cloud native application on **AWS** and **Azure**
- Strong experience in design and development of **web-based application** using **ASP.NET Web Forms**, **ASP.NET MVC** and other SPA frameworks like **Angular, ReactJS** and **VueJS**
- Solid experience on front-end technologies like **JS, jQuery, HTML, CSS, Preprocessor CSS**
- Capable of writing **SQL** queries with **MS-SQL, MySQL, PostgreSQL, DynamoDB** and **SQLite** database
- Supported and rewrote applications on **COBOL, MS-Access, PHP, Pentaho, SSIS, Python,** and **.NET Technologies**
- Familiarity with CI/CD pipelines like **Azure CI/CD**, **Bamboo** and **GitHub Actions**
- Proficient in version controls systems like **git**, **TFS**, **SVN** and **Bitbucket**

## Professional Experience

Verisk Risk Rating Australia Pty Ltd - Verisk Analytics Inc.                                       Brisbane, Australia
**Developer III**                                                                                        **October 2022 – Present**

### Responsibilities

- Designs, develops and maintains software products
- Analyzes requirements and develops innovative, useful software solutions
- Modifies existing software products to add new functions, adapt to new hardware, improve performance or enhance usability
- Participate in all aspects from detailed programming to high-level system design
- Performs activities in all layers of the stack, from the database to programming in the back-end and appearance at the front-end
- Involved in all stages of software development, being front-end development, back-end development, database integrations, network and hosting management, user interface, user experience, and back-end server management

### Accomplishments

- Designed and implemented **RESTful API**s, reducing legacy **SOAP** dependencies by 70% using AWS Services
- Improved system uptime to 99%, ensuring SLA compliance through proactive monitoring and reporting using observability tools like **SPLUNK** and **New Relic**
- **Enhanced** regional services for **APAC**, addressing customer queries with a **95%** resolution rate
- Involve in **mentorship** program to **acquire** new talent and **grow** existing people

Verisk Nepal Pvt. Ltd. - Verisk Analytics Inc.                                                              Lalitpur, Nepal
**Senior Software Engineer**                                                            **December 2019 – September 2022**

## Responsibilities

- Lead new and existing applications along with enhancements, services and infrastructure
- Build and manage reliable software in service-oriented environment, have such software operate at high performance, demonstrated scalability and high reliability
- Perform hands-on coding while designing and architecting web application/content/search solutions
- Review work done by other developer to ensure adherence to best practices
- Serve as a liaison between local and on-site team and participate in scrum ceremonies
- Mentor junior team members in proper software engineering methods and techniques, and develop programming guidelines to ensure these methods are accessible to other developers

## Accomplishments

- Spearheaded **architectural** overhauls, **transitioning legacy** applications to cutting-edge technologies for **cloud-native** applications leveraging **Amazon Web Services**
- Ensured **application excellence** by meticulously tracking **performance metrics** using **Splunk**, **New Relic**, and **Elasticsearch**, resolving issues promptly for seamless operation
- Provided presentation on **Unit Testing** and **Code Coverage**
- Actively participated in **project** and **spring planning**, **grooming**, and **retrospective meetings**
- Part of **leadership** team working towards **hiring**, **mentoring**, **performance reviewing** and **interviewing** the team, increasing the workforce by **50%**

Projects: GRD, RA Products, ISO Education, ISO Portal, SAVI-R, CIM, NJAIRE, DQID, Risk Rating Tool, Maintenance Tool

Environment: .NET, jQuery, AngularJS, Angular, ReactJS, ASP.NET, SOAP, WCF, Pentaho, C#, MS-SQL, PostgreSQL, Moodle, MS-Access, COBOL, AWS, Jira, Bitbucket, Bamboo, Octopus, SonarQube, Splunk, New Relic, Elasticsearch, Salesforce, SOQL, Vault, Okta, Pager Duty

ByProxy Nepal (Blinqlab) Pvt. Ltd.                                            Lalitpur, Nepal
**Senior .NET Developer**                                           **December 2018 – December 2019**
## Responsibilities

- Design, develop and maintain scalable web applications using web technologies ensuring clean and efficient code
- Develop backend solutions using Microsoft technologies with a strong focus on performance, maintainability, and adherence to OOP principles
- Design and consume RESTful and SOAP web services to enable seamless communication between systems and third-party APIs
- Diagnose and resolve technical issues quickly, minimizing downtime and maintaining application reliability
- Design, develop, and maintain SQL databases, including schema design, stored procedures, and query optimization
- Translate business requirements into technical solutions and provide regular updates to stakeholders
- Ensure the creation and upkeep of comprehensive documentation, covering technical and user-related aspects, throughout the software development life cycle
- Guide and mentor junior team members, fostering skill development and knowledge-sharing within the team

## Accomplishments

- Enhanced the **performance** of existing software through strategic **optimizations**, resulting in improved **user experience** and **system efficiency**
- Took a **leadership** role in **guiding**, **mentoring**, and **evaluating** team members
- Acquired knowledge in **Azure Cloud** platform and **Floorplanner** integration

Projects: Blinqlab BackOffice, Citroen Lead Management System, Peugeot Lead Management System

Environment: C#, ASP.NET, MS-SQL, jQuery, Knockout JS, SSIS, TFS, Microsoft Azure, Azure Pipelines, Azure Blob Storage, Queue Storage, Virtual Machines, Microsoft Azure Portal, Zoho

Silent Turtle Pvt. Ltd.                                                                                             Lalitpur, Nepal
**Project Lead/Co-Founder**                                                              **May 2018 – October 2018**
**Responsibilities**

- Involve in requirement analysis and conceptualizing with client as well as team
- Lead and supervise project and involve in estimation, scheduling and planning of the project
- Lead and supervise team to follow Agile development methodology and ensure to meet deadlines
- Lay hands-on technical design documents, proposal documents, user manuals and other documents
- Design, develop, maintain and monitor system checks for scalable database and system performance
- Contributed to technical solution in the development process from design to code development
- Write code and SQL queries to develop application
- Involve in monitoring systems and logs

**Accomplishments**

- **Designed** and **launched MVP** within tight deadlines and limited resources
- Delivered clear and **compelling pitches**, **presentations**, and **reports** to **investors**, **stakeholders**, and **team members**

Projects: Tixalaya

Environment: ASP.NET, C#, Dapper, MS-SQL, HTML, JS, CSS, Tailwind CSS, Trello

CloudyFox Technology Pvt. Ltd.                                                                         Kathmandu, Nepal
**Team Lead**                                                                                            **May 2017 – April 2018**
**Responsibilities**

- Work closely with the CTO to design and visualize architectures for projects and implement architectural decisions for solving architectural problems
- Build and lead groups of engineers to define and decide development technology and platform, define development standards, tools, processes, etc.
- Detail out and refine higher-level architecture decisions into a lower-level design
- Lead implementation of technical and infrastructure initiatives to support architecture decisions
- Communicate the company vision to the engineering team. Overlook and review the work of the team to ensure that the architecture decisions are being executed, and the team is following coding standards and architecture guidelines
- Align solutions with the architecture vision and industry best practices. Make software design (application-level) decisions with the team, take software architecture topics for further consideration and unification
- Ensure technical knowledge sharing between development teams on related or similar projects
- Lead the research on specific topics, experiment with various technologies, and provide recommendations based on findings

- Proactively identify technical debt and product areas that require attention or improvement at the architecture level
- Constantly develop yourself and the team in technology advancements, research new approaches, tools and best practices in the software architecture and design space
- Analyze current technologies used within the company and determine ways to improve
- Document and monitor requirements needed to institute proposed updates
- Account for possible project challenges on constraints including, risks, time, resources and scope
- Work closely with Engineering Manager to successfully monitor progress of initiatives and establish feedback loops in your team and give your team members immediate feedback

**Accomplishments**

- **Established** and led a new **.NET development team**
- Secured **contracts** from one of leading cinema theater brand in Nepal and partnered with multiple stakeholders to build more effective cinema theater ticketing system

Projects: QFXTix (QFX Ticketing System)

Environment: ASP.NET Web API, ASP.NET MVC, Entity Framework, LINQ, Lambda, MS-SQL, JS, CSS, HTML, Bootstrap, Apache Cordova

Braindigit IT Solution Pvt. Ltd.                                                    Kathmandu, Nepal
**Software Engineer**                                                    **January 2015 – February 2017**
**Responsibilities**

- Solution Development and Delivery: analyze technical and functional design requirements; create efficient and logical databases; designs and codes superior technical solutions; identifies system deficiencies and recommends solutions
- Project Execution: communicate and enforce coding standards within their unit and across all relevant units (Design, Support, Quality); prioritizes multiple tasks effectively; report and take action on critical issues that may affect the project
- Actively contribute to develop and improve the corporate knowledge base (best practices, knowledge sharing across the whole organization)
- Relational Databases: analyze complex database concepts as well as the implications of different database designs; identify and apply the appropriate database design techniques
- Teamwork: proactively initiate, develop, and maintain effective working relationships with team members; demonstrate the ability to cooperate with a variety of people and achieve results; share acquired skills with team members through formal and informal channels
- Client Management: anticipate client needs before they arise and present solutions to project management that encompass issues at hand; analyze and manage client expectations and identify issues/events that may affect delivery

**Accomplishments**

- **Re-engineered** key process as data **denormalization** and **front-end** logic migration to **server-side** improving **data loading efficiency**, reducing page load times by **40%**
- Rewrote and migrated ecommerce application ensuring performance and stability during high loads

Projects: AspxCommerce, Simpal, Smartshopy, Store Crown

Environment: C#, ASP.NET MVC, ASP.NET Core, ASP.NET Web Forms, Java Script, jQuery, HTML, CSS, Bootstrap, Git

**EB Pearls Pvt. Ltd.**                                                                                                 Lalitpur, Nepal
**Jr. Programmer**                                                                                    **June 2014 – January 2015**
**Responsibilities**

- Research and analyze business and technical requirements in collaboration with the project team
- Develop high-end websites and applications using ASP.NET MVC, AngularJS, jQuery, C# and MS-SQL Server
- Write and maintain program code to meet system designs and specifications
- Debug, test and fix issues to ensure software performs to specifications
- Prepare project documentation, including technical reports, development reports, and project completion reports
- Communicate with project manager regarding progress, challenges, and solutions
- Provide guidance and share technical knowledge with team members

**Accomplishments**

- Enhanced **UI/UX** improving user retention by **30%**

Projects: Secure Parking, West One Music, VideoHelper

Environment: C#, ASP.NET MVC, Umbraco, AngularJS, CSS, HTML, TFS, Google Maps Platform, Jira

**Uniaxial Software Pvt. Ltd.**                                                                            Kathmandu, Nepal
**Software Developer**                                                                         **April 2013 – February 2014**
**Responsibilities**

- Sustain the ongoing and existing projects, including their development and maintenance to ensure functionality and effectiveness in achieving organizational objectives
- Collaborate with Project Managers, Clients and stakeholders to understand the project requirements and understand their anticipated outcomes
- Work on prototypes or POC projects to explore new technologies
- Work with databases, including writing queries or maintaining data integrity
- Maintain and organize functional and technical documentation
- Review code logic and algorithms for potential errors and inconsistencies

**Accomplishments**

- Contributed to the development of banking solutions tailored for cooperative societies with modules like account management, loan tracking and others
- Developed and maintained multiple software solutions using wide range of technologies showcasing adaptability and quick learning

**Intern**                                                                                                 **October 2012 – March 2013**
**Responsibilities**

- Write, test and debug code under the supervision of senior developers
- Learn and apply standard coding practices

**Accomplishments**

- Obtained knowledge on organizational work process and successfully transitioned to full-time employee from an intern
- Obtained practical knowledge on Software Development Life Cycle

Projects: FinAstra, LekhAstra, Freed Haliya Rehabilitation Program

Environment: ASP.NET WebForms, ASP.NET MVC, HTML, CSS, SVN, MS-SQL, PHP, MySQL

## Academic Qualifications

Bachelor of Information Management (BIM) from Nagarjuna College of Information Technology, Lalitpur affiliated to Tribhuvan University, Kathmandu (Year 2009-2013)

## Technical Skills

| Languages | : | C#, PHP, Java, JS, TS, Python |
|---|---|---|
| Frameworks & Libraries | : | .NET Framework, .NET Core, ASP.NET Web Forms, ASP.NET MVC, WCF, WPF, Web Services, Web API, SOAP, ADO.NET, Entity Framework, SignalR, WinUI, xUnit, NUnit, Angular, ReactJS, VuejS, CSS, Tailwind CSS, Bootstrap |
| Database | : | MS-SQL, MySQL, PostgreSQL, SQLite, DynamoDB |
| ETL Tools | : | SSIS, Pentaho |
| Project Management Tools | : | Jira, Trello, Bgile, Mantis, Zoho |
| Version Control | : | GIT, SVN, Team Foundation Server (TFS), Bitbucket |
| Cloud Platforms | : | Amazon Web Services (AWS), Microsoft Azure Cloud |
| IDE | : | Visual Studio, VS Code, Eclipse, Android Studio, OpenCobolIDE |
| CMS | : | Umbraco CMS, SageFrame CMS, Moodle |
| DevOps & CI/CD | : | Azure Pipelines, Bamboo, GitHub Actions |
| Others | : | Redis, Resharper, SonarQube, Splunk, Kibana, NewRelic, Glimpse, HashiCorp Vault, Crystal Reports, DevExpress, MS-Access, Octopus, PagerDuty |

## Certifications

- Generative AI with Large Language Models
- **Google AI Essentials**

## References

Available upon request