Dhiraj Dhungana

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Professional Summary

Full Stack Software Engineer with experience designing and delivering cloud-first, production-grade applications across frontend, backend, and AWS infrastructure. Strong in React, RESTful API development, and CI/CD, with hands-on exposure to Java-based systems and modern authentication patterns. Proven ability to work in agile, product-focused teams, collaborate cross-functionally, and continuously learn new technologies to build scalable, reliable platforms.

Technical Skills

- **Programming Languages:** Java, Python, JavaScript, Typescript, SQL

- **Frameworks:** Spring Boot (REST APIs), Flask, React (Hooks, Context API), Angular.js

- **Authentication & Security:** JWT, Role-Based Access Control (RBAC)

- **Database:** PostgreSQL, SQLite, MySQL

- **Cloud Platforms:** AWS (EC2, S3, RDS, Lambda, IAM, CloudWatch)

- **DevOps & CI/CD:** Git, GitLab CI/CD, Jenkins, Docker, Terraform, Kubernetes (basic)

- **Testing & Automation:** Selenium, Bash

- **Monitoring & Logging:** AWS CloudWatch, Splunk

- **Project Tools:** JIRA, Deermine

- **Methodologies:** Agile, Scrum, SDLC, Continuous Integration & Continuous Delivery (CI/CD)

Professional Experience

Software Engineer (Full-Stack) - Freelance
Self-Employed | March 2021 – Present

- Designed, developed, tested, and deployed production-ready web applications following the **Software Development Life Cycle (SDLC)** from requirements to release and maintenance.

- Designed and consumed RESTful APIs, applying backend concepts such as request validation, error handling, and stateless authentication patterns aligned with Spring-based architectures.

- Developed dynamic front-end applications using **React with TypeScript**, implementing reusable components, state management, and API integration.

- Collaborated directly with **clients and non-technical stakeholders** to gather requirements, clarify scope, and translate business needs into scalable technical solutions.

- Built and maintained backend services using **Python (Flask)** and **RESTful APIs**, supporting reliable frontend-backend integration in live environments.

- Designed relational schemas and optimized SQL queries using PostgreSQL in cloud-hosted environments.

- Participated in **design discussions, code reviews, and iterative improvements**, ensuring clean, maintainable, and well-documented code.

- Delivered responsive, mobile-first user interfaces using HTML, CSS, and JavaScript, aligned with modern UX and accessibility standards.

- Implemented **automated testing using Selenium** and followed structured testing practices to support stable production releases.

- Deployed applications to **cloud-based production environments** using CI/CD pipelines, supporting controlled releases, rollbacks, and ongoing operational support.

- Maintained technical **documentation** covering system architecture, deployment steps, and testing procedures to support maintainability and knowledge transfer.

- Worked in **agile-style delivery cycles**, incorporating feedback, prioritizing enhancements, and continuously improving application performance and reliability.

Key Outcomes:

- Delivered multiple production-ready applications with **high responsiveness and availability**

- Improved delivery speed and quality through **automation-first testing approaches**

- Demonstrated strong **product ownership, experimentation, and E2E responsibility**, aligned with agile and fast-paced environments

Associate Software Engineer (Web & Cloud)

Deerwalk Inc. | May 2020 – Feb 2021

- Developed and enhanced web applications using **React.js and Angular.js** as part of an **agile/Scrum team**, contributing to sprint planning and iterative delivery.

- Developed RESTful services using Java and Spring Boot for CRUD operations, integrating with SQL databases and following layered architecture principles.

- Implemented secure authentication mechanisms using JSON Web Tokens (JWT), protecting REST APIs and enforcing role-based access control.

- Collaborated with developers, testers, and stakeholders to deliver features aligned with functional and non-functional requirements.

- Participated in **code reviews** and followed team coding standards to ensure quality, maintainability, and consistency across the codebase.

- Automated test cases using **Selenium**, improving test coverage and supporting reliable releases into **production environments**.

- Implemented and monitored AWS CloudWatch dashboards, assisting with incident identification, root-cause analysis, and operational monitoring.

- Supported **CI/CD pipelines** and cloud deployments using AWS services (S3, RDS), contributing to improved release stability and reduced downtime.

- Maintained task tracking, reporting, and documentation using **Determine**, supporting transparency and delivery governance.

Key Achievements:

- Streamlined CI/CD deployment, cutting release time by 30%.

- Improved log management and debugging efficiency by leveraging **CloudWatch**.

- Contributed to high-quality product delivery by integrating **automated test pipelines**.

- Gained hands-on experience with **Git workflows**, cloud-based deployments, and **Python/SQL data handling**.

Software Engineering Intern (Front-end Developer and UI/UX)

Deerwalk Inc. | Sep 2019 – May 2020

- Assisted in developing frontend components using **React.js** within a structured **SDLC** framework.

- Supported automation testing initiatives using **Selenium**, contributing to improved quality assurance processes.

- Gained exposure to **cloud-based production systems**, including AWS S3 and RDS.

- Worked within **agile development cycles**, providing updates, documenting progress, and learning collaborative engineering practices.

Education

Master of Information Technology (CRICOS 038836J)
Sydney International School of Technology and Commerce | 2023 – 2025

- GPA: **6.31 (Distinction)**

- Key Subjects: Cloud Computing (80), Big Data (89.5, HD), Advanced Data Analytics (91, HD), Object-Oriented Programming (91, HD), Cybersecurity (78, D), Capstone Project (85, HD)

Bachelor of Science in Computer Science and Information Technology (BSc. CSIT)
Deerwalk Institute of Technology, Tribhuvan University, Nepal | 2015 – 2019

- Score: **70.55% (First Division)**

- Key Subjects: Cloud Computing (77), Data Warehousing and Data Mining (68), Advanced Database Management System (75), Network and System Administration (74), Software Engineering (72), Internship (83)

Certifications

- AWS Certified Solutions Architect – Associate

- GitLab CI/CD Fundamentals