Jeneliya Gurung

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Summary

Software engineer with 2 years of experience specializing in **Full Stack Development**, **Cloud Computing**, and **Artificial Intelligence**. Expertise in designing and deploying scalable applications across various industries, leveraging cloud platforms to optimize infrastructure and enhance application performance. Proficient in integrating AI algorithms to drive innovative solutions that solve complex business challenges. Skilled in agile methodologies and collaborative teamwork to deliver high-quality software products on time and within budget.

Education

Monroe College   **New Rochelle, NY**
Master of Science in Computer Science, GPA: 3.92/4   Jan 2022 - Apr 2024

The British College   **Kathmandu, Nepal**
Bachelor of Science in Computing, First Class Honors   Sep 2016 - Aug 2020

Work Experience

Boost Stride Tech Solutions   **Nepal**
Software Engineer   Sep 2020 – Dec 2021

- Led the development of a scalable microservices architecture using **Java**, **Spring Boot**, **Docker**, and **Kubernetes**, which improved system reliability and reduced deployment times by 50%, cutting the deployment process from 4 hours to 2 hours.
- Designed and implemented real-time data analytics feature with **Python**, **Flask, PostgreSQL**, and **Redis**, allowing users to generate customized reports and dashboards, which decreased data processing time by approximately 40 minutes per report.
- Refactored and optimized a legacy codebase using **C++, Git**, **Jenkins**, and **SQL**, which improved code maintainability and reduced the frequency of bug reports and maintenance time by 10 hours per month.
- Integrated third-party APIs and streamlined workflows with **Node.js, RESTful APIs**, and **Agile methodologies**, resulting in enhanced application functionality and contributing in improvement of customer satisfaction scores.
- Developed and executed automated testing frameworks with **Selenium, JUnit, and Mockito**, reducing manual testing time by 15 hours per release cycle and increasing overall test coverage, leading to fewer post-release defects.

Riddhasoft   **Nepal**
Software Engineer Intern   July 2018 – Dec 2018

- Developed a full stack web application using **React, Node.js,** and **MongoDB**, implementing **RESTful APIs** for CRUD operations, securing over 10,000 user accounts with session-based authentication.
- Orchestrated **Node.js** and **Express APIs** to improve backend response time by **20%,** handle high API call volumes, and enhance user satisfaction, while implementing **Redis** for caching to optimize data retrieval and utilizing **GraphQL** for efficient query handling, ensuring seamless and scalable backend operations.
- Optimized performance using **Angular** and **Redis**, achieving a **30%** reduction in server costs through server-side caching and load balancing strategies, and leveraging **WebSocket** technology for real-time updates and notifications, significantly enhancing user engagement and satisfaction during peak usage periods.
- Administered **MySQL** database with advanced **SQL** queries, implemented stored procedures for complex operations, utilized database normalization techniques for efficient storage, and implemented transaction management to ensure data consistency and reliability across the application.
- Collaborated using **Agile** methodologies and **Jira**, led daily stand-up meetings to foster communication and alignment across cross-functional teams, conducted thorough code reviews to maintain code quality, and implemented continuous integration and deployment pipelines with **Jenkins** to automate build, test, and deployment processes, ensuring rapid and reliable software delivery.

Projects

Budget Allocation, GitHub   Jan 2024 - Feb 2024

- Implemented **Redux** to manage application state, ensuring efficient data flow and enabling seamless updates across various components and pages.
- Designed and deployed serverless functions using **Google Cloud Functions** integrated with **Node.js** and **MongoDB** to automate real-time budget adjustments, ensuring accuracy and efficiency based on predefined algorithms.

Online Auction, GitHub   Sep 2023 - Dec 2023

- Implemented a recommendation system utilizing collaborative filtering algorithms to suggest items based on similarities between users bidding history and preferences, thereby enhancing user engagement and increasing auction activity.
- Integrated **Socket.IO** for bid notifications and live updates, enhancing user engagement and real-time auction management.

Product Price Comparison, GitHub   Jan 2023 - Mar 2023

- Developed backend microservices in **Python** and **Node.js** to manage data retrieval and processing for accurate price comparison across multiple dealers, optimizing performance and data integrity.
- Implemented a dynamic dealer selection feature using **JavaScript** and **AJAX**, enabling users to choose specific dealers and verify displayed prices instantly, enhancing decision-making

Skills

Languages: Java, Python, JavaScript, Typescript, GraphQL, SQL, HTML/CSS
Frontend & Backend: Angular, React, Spring Boot, Express, Node.js, Flask, Django, Vue.js, Redis, Redux
Cloud Computing: AWS Lambda, DynamoDB, S3, Google Cloud Platform (GCP), and IBM Cloud Code Engine, Docker, Kubernetes, CI/CD
AI & Machine Learning: TensorFlow, PyTorch, Pandas, EDA
Databases: MySQL, NSQL, PostgreSQL, MongoDB
Additional Skills: Communication, Project Management, Team Leadership

Certifications

Full-Stack JavaScript Developer Professional Certificate: IBM-Coursera, Build Website with HTML, JavaScript, AngularJS, and React Specialization: Board Infinity-Coursera, Certified Kubernetes Application Developer (CKAD) Specialization: Learnkarts-Coursera