

Jeneliya Gurung

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About

Full Stack Developer with 3 years of experience in designing, developing, and deploying scalable web applications and systems, specializing in React, Next.js, and Vue.js for modern, responsive front-end solutions. Proficient in back-end development with Node.js, Python, Java, and Express.js, and experienced with TypeScript for enhanced code quality. Skilled in optimizing application performance, integrating robust APIs, and ensuring seamless user experiences. Known for strong problem-solving abilities, a focus on delivering high-quality software solutions, and excellent collaboration skills in agile environments, effectively bridging technical and non-technical stakeholders to drive project success.

Experience

Takeo

New York, NY

Full Stack Developer

Apr '23 - Present

- Directed the development and enhancement of scalable web applications with React, Next.js, and TypeScript for front-end, and Node.js and Express.js for back-end, resulting in a marked improvement in application load times and user satisfaction.
- Developed and deployed RESTful APIs with Node.js, integrating third-party services to streamline data exchange, resulting in smoother interactions between front-end and back-end systems.
- Maximized application performance through code reviews and performance tuning with tools like Webpack and Lighthouse, achieving faster load times and enhanced system responsiveness.
- Developed and maintained robust data management solutions using PostgreSQL and MongoDB, ensuring efficient and reliable data handling for critical business operations.
- Collaborated with UX/UI designers, product managers, and developers in Agile sprints using JIRA and Confluence, which led to the successful delivery of features and timely project completions.
- Implemented automated testing frameworks such as Jest and Mocha, and CI/CD pipelines using Jenkins and Docker, leading to more stable deployments and fewer production issues.
- Participated in code reviews and knowledge sharing sessions, contributing to continuous improvement in development practices and overall team performance.

Boost Stride Tech Solutions

Kathmandu, Nepal

Software Engineer

Sep '20 - Dec '21

- 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.
- 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.
- Implemented security best practices such as OAuth2, JWT, and role-based access control (RBAC) across services, significantly improving the application's security posture and protecting sensitive user data.
- Conducted performance profiling and optimization for Java-based services using tools like JProfiler and VisualVM, resulting in reduced memory usage and faster execution times.

Riddhasoft

Kathmandu, Nepal

Software Engineer Intern

Jul '18 - Dec '18

- 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 significant 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.
- Created and maintained comprehensive technical documentation for APIs, system architecture, and codebase, facilitating better knowledge transfer within the team and aiding in onboarding new developers, which streamlined development processes and improved team collaboration.
- Managed source code versions using Git, maintaining a clean and organized codebase that facilitated smoother collaboration and reduced integration conflicts during team development efforts.

Education

Monroe College

Master's Degree | Master of Science in Computer Science | GPA: 3.92

The British College

Bachelor's Degree | Bachelor of Science in Computing | First Class Honors

Projects

Personal Finance Tracker | [git](#)

- Developed a comprehensive personal financial tracker application using React and Node.js, enabling users to manage and visualize their expenses, income, and savings with real-time updates and detailed financial reports.

Online Auction | [git](#)

- Designed and implemented an online auction system with Angular, Django, and PostgreSQL, offering real-time bidding and secure payment processing, which improved user experience and transaction efficiency by providing a seamless and reliable auction platform.

Weather Application | [git](#)

- Built a robust weather application using React, Node.js, and OpenWeatherMap API, providing users with real-time weather updates and detailed forecasts for various locations, enhancing user experience with interactive features and responsive design.

Skills

- **Frontend Development:** React, Next.js, Angular, Vue.js, TypeScript, HTML5, CSS3, JavaScript, Webpack, Tailwind CSS, Responsive Design, UI/UX Design Collaboration
- **Backend Development:** Node.js, Express.js, Java, Spring Boot, Flask, Django, RESTful APIs, GraphQL, Microservices Architecture, API Design and Integration
- **Database Management:** PostgreSQL, MySQL, MongoDB, Redis, SQL, Database Normalization, Transaction Management, Stored Procedures
- **Testing & Quality Assurance:** Selenium, JUnit, Mockito, Jest, Mocha, CI/CD Pipelines, Jenkins, Automated Testing, Test Coverage
- **Security:** OAuth2, JWT, Role-Based Access Control (RBAC), Application Security Best Practices, Secure API Design
- **DevOps & Deployment:** Docker, Kubernetes, Jenkins, Git, Continuous Integration/Continuous Deployment (CI/CD), Version Control, Code Review
- **Agile & Project Management:** Agile Methodologies, Scrum, JIRA, Confluence, Sprint Planning, Team Collaboration, Technical Documentation
- **Software Design & Architecture:** Scalable Architecture Design, Legacy Code Refactoring, System Reliability Engineering, Microservices Development
- **Tools & Technologies:** Git, GitHub, Visual Studio Code, IntelliJ IDEA, PyCharm, Docker, Postman, JProfiler, Lighthouse