Buddha Kharel

Full Stack Developer

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Professional Summary

- Full Stack Engineer with over 7 years of experience building and deploying enterprise web applications, proficient in all stages of the Software Development Life Cycle (SDLC), from requirements analysis to testing and deployment.

- Specialized in frontend development with Vue.js, React.js, Angular, and Next.js, including server-side rendering (SSR), static site generation (SSG), and responsive web design (RWD), resulting in faster page load times and higher user engagement.

- Expertise in backend development with Node.js, Express.js, Nest.js, Java/Spring Boot, and Python, designing RESTful APIs, GraphQL endpoints, and event-driven systems using Apache Kafka for optimized data processing, real-time interactions, and microservices architecture.

- Skilled in cloud-native development and DevOps practices, including AWS Lambda, Docker, Kubernetes, Apache Kafka, and CI/CD pipelines, enabling auto-scaling, cost-efficient infrastructure, and faster deployment cycles.

- Experienced in implementing AI-driven features using SDKs (OpenAI, AWS Bedrock, Gemini) enhancing application functionality and user experience through generative AI and AI-powered workflows.

- Strong focus on code quality, performance optimization, and best practices, with a proven track record of reducing production bugs and improving test coverage using Jest, Mocha, and Chai.

Skills

Frontend Development: React.js, Vue.js, Next.js, Flutter, Angular, Redux, Context API, Tailwind CSS, Material-UI, Bootstrap, TypeScript, JavaScript (ES6+), Responsive Web Design (RWD), Component-Based Architecture, Server-Side Rendering (SSR), Static Site Generation (SSG), Progressive Web Apps (PWA), Web Accessibility (WCAG), Nuxt.js.

Backend Development: Node.js, Express.js, Nest.js, Java, Spring Boot, Python, RESTful APIs, GraphQL, Microservices Architecture, WebSockets, Authentication (JWT, OAuth, Firebase Auth, Passport.js), Role-Based Access Control (RBAC), API Security (CORS, CSRF, Rate Limiting), Serverless Computing (AWS Lambda, Azure Functions).

Databases & ORMs: MongoDB, PostgreSQL, MySQL, Firebase, Redis, DynamoDB, Prisma, Sequelize, Mongoose, Database Optimization, Indexing, and Sharding.

Cloud & DevOps: AWS (EC2, S3, Lambda, RDS, CloudFront, API Gateway, IAM), GCP (Cloud Functions, BigQuery, Firebase), Microsoft Azure, Docker, Kubernetes, Terraform, CloudFormation, CI/CD Pipelines (Jenkins, GitHub Actions, GitLab CI/CD), Nginx, Apache Kafka, Load Balancing, Auto-Scaling.

Testing & Debugging: Jest, Mocha, Chai, Cypress, Enzyme, React Testing Library, Postman, Swagger, Datadog, Sentry, Debugging and Performance Profiling.

AI & Machine Learning: AI SDKs (OpenAI, AWS Bedrock, Gemini, LangChain), AI-Powered Automation, Prompt Engineering, AI Integration in Web Applications.

DevOps & Tools: Jenkins, GitLab CI/CD, Terraform, CloudFormation, Ansible, GitHub Actions, ArgoCD, Helm Charts.

Other Tools & Methodologies: Agile (Scrum, Kanban), Jira, Confluence, Trello, Figma, Power BI, Webpack, Babel, Vite, ESLint, Prettier, SonarQube, Linux/Unix Command Line.

Work Experience

DXC Technology   **June 2022 – Present**

Senior Full Stack Application Developer   *United States*

- Designed and built reusable UI components with React.js and Vue.js, reducing development time for new features by 30% and ensuring consistent user experiences across applications.

- Built secure and scalable backend systems using Node.js, Java, Spring Boot, PostgreSQL, and DynamoDB, ensuring high availability and performance for enterprise-level applications.

- Designed and developed cloud-native applications in a microservices environment using AWS services (EC2, S3, Lambda, RDS), Java/Spring Boot, and Python, optimizing resource allocation and leveraging AWS Lambda for a serverless architecture.
- Integrated AI-driven features using OpenAI, AWS Bedrock and Gemini, streamlining workflows and improving operational efficiency.
- Developed GraphQL APIs to optimize data fetching and enable real-time interactions, reducing data retrieval latency.
- Deployed AWS Lambda-based applications with auto-scaling and cost-efficient infrastructure, achieving 99.9% uptime and reducing operational costs.
- Mentored junior developers, conducted code reviews, and enforced best coding practices, improving team productivity and code quality.

CitiusTech   **May 2020 – May 2022**
Full Stack Developer   *United States*

- Developed high-performance web applications using React.js, Node.js, Angular, and MongoDB, enhancing platform scalability and user experience for enterprise clients.
- Led the migration of a monolithic backend to a microservices architecture using Spring Boot and Kafka, improving system resilience and reducing downtime by 25%.
- Designed and implemented GraphQL APIs to streamline frontend-backend communication, reducing data retrieval latency.
- Optimized frontend performance by implementing lazy loading, memoization, and efficient API calls, reducing page load time.
- Integrated CI/CD pipelines using Jenkins, Docker, and Kubernetes, reducing deployment time and improving release cycle efficiency.
- Collaborated with UI/UX teams to design and develop interactive, accessible, and responsive user interfaces, increasing user engagement by 25%.
- Implemented OAuth and JWT-based authentication for secure user access control, enhancing application security and compliance.

Humana   **August 2018 – April 2020**
Front End Developer   *United States*

- Developed and optimized React.js and Vue.js applications, improving page load speed through code splitting and lazy loading.
- Designed responsive and interactive UIs, increasing user engagement and improving overall user satisfaction.
- Migrated legacy applications to Nuxt.js and React, enhancing SEO, SSR, and overall performance, resulting in improvement in page load times.
- Built and optimized Vue.js applications using Vuex/Pinia for state management, improving frontend performance and delivering dynamic, responsive interfaces.
- Integrated RESTful APIs and GraphQL, reducing data retrieval latency by 40% and improving data consistency across the platform.
- Improved unit and integration test coverage using Jest and Mocha, reducing production bugs and enhancing application reliability.
- Ensured cross-browser compatibility and mobile responsiveness, increasing user engagement and improving accessibility across devices.

Education

The University of Texas at Arlington   **June 2014 – May 2018**
Bachelor of Science in Computer Engineering   *Arlington, TX*

Certifications

Google Cloud Certified Professional Cloud Architect

AWS Certified Solutions Architect

Microsoft Certified IT Professional: Enterprise Support Engineer