

Charmil Kaushik Shah

Full Stack Developer

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Summary

Full Stack Developer with 3+ years of experience designing and deploying scalable web applications using modern frameworks like Angular, React, and Spring Boot. Proficient in blockchain technologies, including Hyperledger Fabric and smart contracts, and skilled in cloud platforms like AWS, Azure, and GCP. Expertise spans frontend and backend development, CI/CD pipelines, security, and database optimization. Proven ability to enhance performance, streamline processes, and deliver secure, high-availability solutions.

Technical Skills

- Frontend:** React, Redux, Next.js, Angular, JSP, Thymeleaf, HTML5, CSS3, Tailwind CSS, Bootstrap, TypeScript, Vue.js
- Backend:** Node.js, Express.js, Spring Boot, Java, Python (FastAPI, Django), GraphQL, RESTful APIs, WebSocket
- Blockchain:** Hyperledger Fabric, Smart Contracts, Ethereum, Solidity
- Databases:** MongoDB, MySQL, PostgreSQL, Redis, Firebase, DynamoDB
- Cloud Platforms:** AWS (EC2, S3, Lambda, API Gateway), Microsoft Azure (App Services, SQL Database, Functions), GCP
- CI/CD & Testing:** Jenkins, GitHub Actions, Docker, Kubernetes, Jest, JUnit, Selenium, Cypress
- Security:** OAuth2, JWT Authentication, SSL/TLS, Role-Based Access Control (RBAC), OWASP Security Principles
- Version Control:** Git, GitHub, GitLab, Bitbucket
- Project Management & Collaboration:** Agile, Scrum, Jira, Confluence, Trello, Slack

Professional Experience

Full Stack Developer, Purpose Financial	08/2023 – Present Remote, USA
<ul style="list-style-type: none">Partnered with stakeholders to define project requirements and developed a Blockchain-Based Insurance Policy System using Angular for the frontend, ensuring regulatory compliance and following Agile methodologies, enhancing operational efficiency by 25%.Designed an interactive frontend with Angular components, using RxJS for state management, enabling seamless policy management, real-time claim tracking, and approval verification, which boosted user engagement by 30%.Engineered scalable backend services using Node.js and Express, integrating Hyperledger Fabric for immutable policy records and automating claim verification via smart contracts, improving claims processing speed by 40%.Built secure REST APIs to facilitate real-time data exchange between insurers, clients, and external platforms, supporting over large volume monthly transactions while reducing manual interventions by 40%.Optimized MongoDB performance using advanced indexing and data modeling techniques, improving query performance by 35% for real-time access to distributed policy information.Automated testing with Jest and set up Jenkins CI/CD pipelines to streamline development, reducing deployment cycles by 50%. Deployed the system on AWS EC2 with S3 for storage, ensuring scalability, availability, and secure data handling.	
Associate Full Stack Developer, Prismforce	01/2021 – 08/2022 Mumbai, India
<ul style="list-style-type: none">Gathered and documented requirements from stakeholders, aligning platform features with business goals using Agile methods, delivering feature enhancements within two-week sprints to improve platform efficiency and scalability by 20%.Developed a responsive and user-friendly frontend using JSP and Thymeleaf, integrating advanced features like real-time payment tracking and customizable subscription plans, increasing user engagement and platform accessibility by 25%.Engineered scalable backend services with Spring Boot, processing large volume monthly transactions while implementing OAuth2 and JWT authentication, reducing unauthorized access incidents by 30% and ensuring secure data transmission.Designed and implemented a subscription module supporting automated billing, free trials, and dynamic pricing tiers, enhancing customer retention by 20% and simplifying subscription management for businesses of all sizes.Optimized MySQL and PostgreSQL databases, improving query performance by 40% via advanced indexing and schema optimization, ensuring real-time data retrieval and maintaining transactional integrity for large-scale financial operations.Conducted rigorous testing using JUnit and Selenium, achieving 95% code coverage, and automated deployment pipelines with Jenkins, reducing deployment time by 50% and minimizing production errors via constant integration and delivery.Deployed the SaaS platform on Microsoft Azure using Azure App Services and Azure SQL Database, ensuring 99.9% system uptime, scalable infrastructure, and secure data storage for global user accessibility and regulatory compliance.	

Education

Master of Science, Binghamton University, State University of New York Computer Science	08/2022 – 05/2024 Binghamton, NY, USA
Bachelor of Engineering, University of Mumbai Information Technology	05/2022 Mumbai, India