

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 Asp.Net, 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:** Material UI, React, Redux, Next.js, Angular, JSP, Thymeleaf, HTML5, CSS3, Tailwind CSS, Bootstrap, TypeScript, Vue.js
- **Backend:** C#.Net, 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, Postman, GitHub Actions, Docker, Kubernetes, Jest, JUnit, Selenium, Cypress, TestNG, Octopus
- **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, SonarQube, Checkmarx

Professional Experience

Full Stack Developer, *Purpose Financial*

08/2023 – Present | Binghamton, USA

- Partnered with stakeholders to define project requirements and developed a Blockchain-Based Insurance Policy System by architecting backend microservices in .NET, Node.js, and Express, integrating Hyperledger Fabric, and building the frontend with Angular, ensuring regulatory compliance.
- Crafted interactive frontend interfaces in AngularJS, ReactJS and Material UI, and engineered real-time data pipelines with RabbitMQ, enabling seamless user experiences for 10,000+ monthly transactions and boosting operational efficiency by 25% while improving claims processing by 40%.
- Revamped database performance by fine-tuning MongoDB queries with advanced indexing and schema optimization, accelerating response times by 35% and also Streamlined CI/CD workflows via Jenkins, Octopus Deploy, and Ansible, cutting release cycles by 50% and increasing deployment reliability.
- 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%.
- Facilitated Agile ceremonies, mentored junior developers during peer reviews, and orchestrated cross-team collaboration for smooth sprint execution, and authored automated test suites using Jest, Postman, and Selenium to ensure robust regression testing and eliminate manual QA bottlenecks.

Associate Full Stack Developer, *Prismforce*

01/2021 – 08/2022 | Mumbai, India

- Gathered and documented requirements from 10+ stakeholders, aligning platform features with business goals and developed a responsive and user-friendly frontend using JSP and Thymeleaf, and Thyl 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 50,000+ 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, TestNG 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 ARM template 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

08/2019 - 05/2022 | Mumbai, India