

Kush Rajesh Shah

Full Stack Software Engineer

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Education

Master of Science in Computer Science, George Mason University

Aug 2023 - May 2025

GPA: 3.57 / 4.00

Fairfax, Virginia, USA

- **Relevant Coursework:** Analysis of Algorithms, Component-Based Software Development, Computer Communications and Networking, Computer Systems and Fundamentals of Systems Programming, Information Security

Technical Skills

- Languages: Python, Java, C/C++, JavaScript, SQL, C#, .NET, MySQL, Typescript, Swift, Duolingo (Streak : 500+)
- Technologies: HTML/CSS, Node.js, Spring Boot, ReactJS, Vue, NextJS, Tailwind CSS, RESTful API, FastAPI, Mongo DB
- Tools: Git, GitLab, ServiceNow, Eclipse, Visual Studio, IntelliJ, GraphQL, Figma, Wordpress, LLM, Playwright
- Cloud Technologies: Jira, Docker, Kubernetes, Jenkins, Kafka, Azure DevOps, AWS Cloud (EC2), Terraform, GCP, Rancher
- Competencies: Data Structures & Algorithms, OO Design, Agile Methodology, Full Stack Development, SDLC, NoSQL

Experience

WoMen of Connections Ministry Inc.

July 2025 – Present

Technology and Software Development Intern

Remote, USA

- Designed and developed responsive web pages using ReactJS and HTML/CSS, improving load times by ~30% and ensuring consistent performance across devices.
- Built REST APIs in Spring Boot to support dynamic content loading, reducing page refresh dependencies and improving data delivery speed by ~20%.
- Used Magician, an AI-powered Figma plugin, to generate initial wireframe layouts and run contrast ratio checks against WCAG guidelines, reducing early design preparation time by ~15% and catching accessibility issues before development.
- Conducted usability testing with 20+ participants and implemented feedback to improve navigation clarity, leading to a ~12% increase in successful task completions.

Accenture

Aug 2021 – Aug 2023

Software Engineering - Application Development Associate

Pune, Maharashtra, India

- Developed internal web interfaces and integrated REST APIs to streamline outbound status communications.
- Enhanced UI workflows in ServiceNow, improving user efficiency and reducing form submission errors.
- Automated data uploads using Transform Maps, ensuring accurate field mapping and reducing manual effort.
- Customized ServiceNow email templates, increasing communication efficiency by 25%.
- Collaborated in Agile ceremonies, delivering sprint goals alongside cross-functional teams.

Projects

Real-Time Cryptocurrency Price Tracker | TypeScript, Next.js, Playwright, TailwindCSS

Aug 2025 – Sep 2025

- Built a full-stack application streaming live cryptocurrency prices from TradingView using Playwright browser automation with headed mode for transparency and real-time data extraction.
- Developed WSL-compatible solution with automatic fallback to mock mode, ensuring 100% demonstration availability across different development environments while maintaining realistic price movement simulation.
- Engineered low-latency push-based streaming architecture with automatic reconnection, alphabetical ticker sorting, and comprehensive error handling for production-ready reliability.

Movie Review Application | ReactJS, Java, Spring Boot, MongoDB

Mar 2025 – Apr 2025

- Developed an interactive, responsive UI in ReactJS, improving navigation flow and engagement for 100+ active users.
- Implemented dynamic rendering and efficient state management, reducing page load time by 40% and improving perceived performance.
- Integrated backend APIs for seamless content updates and real-time movie review display.

Microservices Based Survey Management System | Python, FastAPI, Vue.js, MySQL, AWS

Aug 2024 – Sep 2024

- Developed a modular survey management system using **FastAPI** microservices with a Vue.js front end, replacing a monolithic architecture and reducing deployment cycle time by 60%.
- Integrated microservices with a MySQL database for secure data storage and retrieval, enabling real-time survey updates.
- Containerized services using Docker and orchestrated them with Kubernetes, implementing automated CI/CD pipelines that ensured zero-downtime deployments across development, staging, and production environments.

Certifications and Publications

- Microsoft Azure AI Fundamentals- AI-900, Microsoft Power Platform Fundamentals- PL-900 by Microsoft
- Certified Application Developer (CAD), ServiceNow
- Self-made Programming Language: Alfa, International Research Journal of Engineering and Technology (IRJET)