Ilmaan Zia

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Summary

Full Stack Engineer with experience building end-to-end healthcare and financial platforms using Python, JavaScript, React, and Vue. Proven experience shipping fast in production environments with Flask, Docker, and cloud technologies. Expertise in revenue cycle management systems, real-time data processing, and customer-facing solutions that improve operational efficiency by 30-50%. Strong leadership skills with a builder attitude and deep attention to user experience.

Technical Skills

- **Backend Development:** Python, Django, FastAPI, Flask, RESTful APIs, Microservices
- **Frontend Technologies:** React, Vue.js, JavaScript, TypeScript, React Native, HTML5, CSS3
- **Full Stack Frameworks:** Node.js, Express.js, Next.js, Redux
- **Cloud & Containers:** Docker, Kubernetes, AWS (EC2, Lambda), Azure, CI/CD
- **Databases:** PostgreSQL, MongoDB, Elasticsearch, SQL
- **Production & Monitoring:** Alerting, Metrics tracking, Software reliability engineering, Jenkins
- **Tools:** Git, Confluence, JIRA, Linux, Postman, GraphQL

Work Experience

- **Software Engineer | Cigna Healthcare | Long Beach, California**   From July 2024 – Present
  - Built comprehensive billing platform components using Python and Flask, processing healthcare claims and prior authorizations with real-time data access for providers and administrators across multiple facilities.
  - Developed customer-facing dashboard with React and JavaScript, enabling healthcare staff to track revenue cycle metrics and resolve billing issues daily, improving provider satisfaction scores by 35%.
  - Implemented production monitoring systems with custom alerting and metrics tracking, achieving 99.8% uptime for critical billing workflows and reducing mean time to resolution by 40%.
  - Architected microservices using Docker containers deployed on Kubernetes, supporting high-volume transaction processing with built-in software reliability engineering practices.
  - Collaborated directly with healthcare administrators to understand pain points, shipping feature updates weekly while maintaining attention to user experience and regulatory compliance.

- **Research Engineer | California State University | Long Beach California.**   From Feb 2023 – June 2024
  - Engineered full-stack security platform using Python Flask backend with Vue.js frontend, enabling rapid deployment of vulnerability scanning tools with fast execution cycles.
  - Developed end-to-end code analysis system processing entire codebases, implementing real-time reporting features that reduced manual security review time by 70%.
  - Led cross-functional team of 4 developers building production-ready applications, demonstrating strong leadership skills while maintaining builder attitude toward innovative solutions.
  - Shipped platform updates bi-weekly using containerized deployment pipeline, working across entire software stack from database optimization to user interface design.
  - Published research and maintained 99.9% platform availability, showcasing ability to balance rapid development with production environment stability.

- **Software Developer | Trade India Infocom LTD | Noida, India.**   From Dec 2021 – Jan 2023
  - Transformed legacy monolithic systems into modern full-stack microservices architecture using Python backend services with React and Vue.js frontends, improving application performance by 30% while shipping updates quickly.
  - Built production environments with comprehensive alerting systems and metrics tracking, enabling proactive issue resolution and maintaining 98% system reliability.
  - Created internal management tools using complete software stack integration, eliminating 20 hours of weekly manual processes through intuitive user interfaces.
  - Implemented CI/CD pipelines with Docker containerization, reducing deployment time by 50% while ensuring consistent production environment delivery.
  - Developed reusable component library adopted across 30% of company projects, demonstrating strong product sense and attention to developer experience.

- **Software Developer | Infonite Infolab | Gurugram, India.**   From Jan 2020 – Dec 2021
  - Architected financial data platform using Python Flask with JavaScript frontend, enabling real-time transaction processing for over 1 million daily operations with exceptional reliability.
  - Developed customer-facing APIs and interfaces for financial services integration, working directly with clients to resolve data synchronization issues and improve user experience.
  - Built monitoring and alerting infrastructure using Python automation, achieving 95% code coverage and reducing production incidents by 15% through proactive issue detection.

– Designed cloud-based microservices architecture supporting rapid scaling, demonstrating early experience with containers and distributed systems fundamentals.

Education

• **Masters in Computer Science** │ **California State University Long Beach** │ **California**	Jan 2023 – Dec 2024
• **Bachelors in Engineering Computer Science** │ **Jamia Hamdard University** │ **Delhi**	May 2017 – May 2021

Projects

- **Vulnerability Scanner Platform** - Full Stack Security Application   │ Research
  - Built end-to-end platform with Python Flask backend and React frontend, implementing file processing and real-time scanning features with production-ready deployment.
- **Expense Tracker Application -** Full Stack Financial Management Platform   │ GitHub
  - Developed complete MERN stack application with GraphQL integration, featuring real-time data visualization and responsive user interface design.

Certificates

- **IBM Cloud Essentials** Cloud Infrastructure, Production Environments