SHAHIL MOHAMMED

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SUMMARY

Accomplished software engineer with 3+ years of experience developing and deploying scalable applications. Skilled in full-stack development, automation, and AI integration, leveraging modern frameworks and cloud platforms to deliver impactful solutions. Proven ability to collaborate across teams and apply best practices in software engineering, security, and DevOps to drive efficiency and innovation.

TECHNICAL SKILLS

Programming & Scripting:	Java, Python, JavaScript, PHP, Go, TypeScript, C#, C++, C, Shell Scripting
Web Development & Frameworks:	Spring Boot, React.js, Angular.js, Laravel, Node.js, Django, HTML, CSS, .NET
Database & Data Storage:	MySQL, SQL, PostgreSQL, MongoDB, DynamoDB, Redis
DevOps & Cloud:	Amazon Web Services (AWS), Docker, Jenkins, Azure, Lambda, EC2, S3, Kubernetes
Tools & Other Technologies:	Linux/Unix, Git, GitHub, REST API, gRPC, JSON, Splunk, Jira, JUnit, WordPress
AI & Automation:	n8n, Zapier, LangChain, OpenAI API, LLM Integration, AI Agents, Prompt Engineering

PROFESSIONAL EXPERIENCE

Software Developer II, **Profile DM, Inc.**, Austin, TX   **06/2025 – Present**
- Optimized **Java Spring Boot** microservices to enhance scalability and throughput, improving **API** performance by 35%.
- Upgraded authentication and role-based access control with **Spring Security**, reducing unauthorized access attempts by 40%.
- Set up an **AI-driven** code review assistant that analyzed pull requests and suggested optimizations, reducing manual review effort by 45% and accelerating development by 25%.
- Automated build, testing, and deployment pipelines using **Jenkins** and **Docker**, reducing release time by 40%.

Software Developer, **HomeTree Digital, Inc.**, Austin, TX   **06/2024 – 06/2025**
- Architected a **SaaS** data visualization platform using **Laravel** and **React**, supporting 50+ concurrent users seamlessly.
- Automated data pipelines in **Python** to process 10,000+ stock entries daily, reducing manual effort by 80%.
- Built a multi-tier e-commerce subscription platform with **PHP** using **Stripe** and WooCommerce, enabling role-based access control.
- Established **AI agents** leveraging **LLMs** to automate FINRA broker data downloads and processing, reducing manual effort by 80%.
- Built an **AI-driven** LinkedIn outreach bot that automated content posting and lead targeting, generating 40% more qualified leads.
- Refined **React** components and state management, cutting page load times by 25% and boosting user engagement.
- Optimized **AWS CloudWatch** monitoring for platform resources, resulting in 10% reduction in cloud resource wastage across environments.

Cybersecurity Lab Support Specialist, **Arizona State University**, Tempe, AZ   **10/2023 – 05/2024**
- Supported **Linux**-based infrastructure for cybersecurity labs, ensuring secure configurations and reliable execution environments.
- Guided students in **debugging**, **deploying**, and **testing** software modules, improving assignment success rates by 20%.
- Automated grading and **validation** scripts, reducing manual review workload and increasing accuracy of results by 25%.
- Conducted 15+ interactive online sessions to explain complex topics like Cryptography, Networking Protocols, and Web Security.

Software Engineer, **Amrock, LLC.**, Detroit, MI   **01/2023 – 08/2023**
- Established a high-performance backend in **C#** with the **.NET** framework, resulting in a 30% reduction in data retrieval latency.
- Executed API calls in TypeScript, achieving sub-100ms average response time, ensuring seamless data exchange.
- Upgraded existing platform using Angular.js, resulting in a 25% rise in user engagement and satisfaction.
- Optimized **PostgreSQL** stored procedures, reducing frontend load by 15% and streamlining database operations.
- Developed a **Kafka**-based messaging solution to handle 1000+ daily events, ensuring reliable event delivery and reducing message loss by 95% across distributed services.

Full Stack Software Engineer, **Apice Tech Pvt. Ltd.**, New Delhi, India   **05/2021 – 06/2022**
- Collaborated with a 5-member team to develop a **SaaS** tool that automates the **software development life cycle (SDLC)** process.
- Developed **microservices** in **Java** using the **Spring Boot** framework integrated with **MySQL**, supporting 1000 concurrent users and reducing response time below 200ms.
- Designed a high-performance **Oracle** SQL database, achieving a 20% reduction in response time through query optimization.
- Organized **CI/CD** pipelines to enable seamless deployment of 6 key microservices on **AWS EC2** servers using **Docker**.
- Built project tracking and management UI in **React.js**, improving usability and page load speed by 30%.
- Implemented unit tests for the pipelines module using the **JUnit** framework with approximately 90% test coverage.
- Analyzed logs using **Splunk**, improving debugging efficiency and reducing issue resolution time by 20% for production incidents.

EDUCATION

Arizona State University   **08/2022 – 05/2024**
Master of Science in Computer Science   GPA: 4.0/4.0

PROJECTS

Automated AI Code Reviewer & Documentation Bot | GitHub Actions, GitHub API, OpenAI API, LLMs
- Developed a **CI/CD** bot using **GitHub Actions** and **LLMs** to automatically analyze pull requests for bugs and style violations while generating **Python** docstrings, ensuring 100% documentation coverage for new code and reducing manual review time by 40%.

AI Customer Support Email Agent | Gmail API, n8n/Automation, LLMs, Google Sheets API
- Engineered an automated email agent using **Gmail API** and **LLMs** to classify email intent/sentiment and execute a **HITL workflow**, automating responses for 60% of common support queries and cutting average first-response time by 40%.

Elastic Face Recognition IaaS | AWS, EC2, S3, SQS, IAM, Python, Flask
- Engineered a scalable face recognition system on **EC2** with **SQS** to decouple frontend and backend, implemented custom auto-scaling to handle 1000+ requests in under 60 seconds, and used **S3** for data persistence.