

# 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

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

## PROFESSIONAL EXPERIENCE

<b>Software Developer II, Profile DM, Inc.</b> , Austin, TX	<b>06/2025 – Present</b>
<ul style="list-style-type: none"><li>Optimized Java Spring Boot microservices to enhance scalability and throughput, improving API performance by 35%.</li><li>Upgraded authentication and role-based access control with Spring Security, reducing unauthorized access attempts by 40%.</li><li>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%.</li><li>Automated build, testing, and deployment pipelines using Jenkins and Docker, reducing release time by 40%.</li></ul>	
<b>Software Developer, HomeTree Digital, Inc.</b> , Austin, TX	<b>06/2024 – 06/2025</b>
<ul style="list-style-type: none"><li>Architected a SaaS data visualization platform using Laravel and React, supporting 50+ concurrent users seamlessly.</li><li>Automated data pipelines in Python to process 10,000+ stock entries daily, reducing manual effort by 80%.</li><li>Built a multi-tier e-commerce subscription platform with PHP using Stripe and WooCommerce, enabling role-based access control.</li><li>Established AI agents leveraging LLMs to automate FINRA broker data downloads and processing, reducing manual effort by 80%.</li><li>Built an AI-driven LinkedIn outreach bot that automated content posting and lead targeting, generating 40% more qualified leads.</li><li>Refined React components and state management, cutting page load times by 25% and boosting user engagement.</li><li>Optimized AWS CloudWatch monitoring for platform resources, resulting in 10% reduction in cloud resource wastage across environments.</li></ul>	
<b>Cybersecurity Lab Support Specialist, Arizona State University</b> , Tempe, AZ	<b>10/2023 – 05/2024</b>
<ul style="list-style-type: none"><li>Supported Linux-based infrastructure for cybersecurity labs, ensuring secure configurations and reliable execution environments.</li><li>Guided students in debugging, deploying, and testing software modules, improving assignment success rates by 20%.</li><li>Automated grading and validation scripts, reducing manual review workload and increasing accuracy of results by 25%.</li><li>Conducted 15+ interactive online sessions to explain complex topics like Cryptography, Networking Protocols, and Web Security.</li></ul>	
<b>Software Engineer, Amrock, LLC.</b> , Detroit, MI	<b>01/2023 – 08/2023</b>
<ul style="list-style-type: none"><li>Established a high-performance backend in C# with the .NET framework, resulting in a 30% reduction in data retrieval latency.</li><li>Executed API calls in TypeScript, achieving sub-100ms average response time, ensuring seamless data exchange.</li><li>Upgraded existing platform using Angular.js, resulting in a 25% rise in user engagement and satisfaction.</li><li>Optimized PostgreSQL stored procedures, reducing frontend load by 15% and streamlining database operations.</li><li>Developed a Kafka-based messaging solution to handle 1000+ daily events, ensuring reliable event delivery and reducing message loss by 95% across distributed services.</li></ul>	
<b>Full Stack Software Engineer, Apice Tech Pvt. Ltd.</b> , New Delhi, India	<b>05/2021 – 06/2022</b>
<ul style="list-style-type: none"><li>Collaborated with a 5-member team to develop a SaaS tool that automates the software development life cycle (SDLC) process.</li><li>Developed microservices in Java using the Spring Boot framework integrated with MySQL, supporting 1000 concurrent users and reducing response time below 200ms.</li><li>Designed a high-performance Oracle SQL database, achieving a 20% reduction in response time through query optimization.</li><li>Organized CI/CD pipelines to enable seamless deployment of 6 key microservices on AWS EC2 servers using Docker.</li><li>Built project tracking and management UI in React.js, improving usability and page load speed by 30%.</li><li>Implemented unit tests for the pipelines module using the JUnit framework with approximately 90% test coverage.</li><li>Analyzed logs using Splunk, improving debugging efficiency and reducing issue resolution time by 20% for production incidents.</li></ul>	

## EDUCATION

<b>Arizona State University</b> Master of Science in Computer Science	<b>08/2022 – 05/2024</b> GPA: 4.0/4.0
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## PROJECTS

<b>Automated AI Code Reviewer &amp; Documentation Bot</b>   GitHub MCP, OpenAI API, LLMs, GitHub Actions, GitHub API	
<ul style="list-style-type: none"><li>Developed a CI/CD bot using GitHub Actions, GitHub MCP, and LLMs to automatically analyze pull requests for bugs and style violations while generating Python docstrings, ensuring 100% documentation coverage and reducing manual review time by 40%.</li></ul>	
<b>AI Customer Support Email Agent</b>   RAG, LangChain, LLMs, Gmail API	
<ul style="list-style-type: none"><li>Engineered an automated email agent using the Gmail API, RAG pipelines, and LangChain 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%.</li></ul>	
<b>Elastic Face Recognition IaaS</b>   AWS, EC2, S3, SQS, IAM, Python, Flask	
<ul style="list-style-type: none"><li>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.</li></ul>	