

Venkatesh Popuri

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PROFESSIONAL SUMMARY

Software Engineer with extensive experience designing and deploying robust Java-based solutions, including full-stack development with React and Angular. Proven expertise in reducing latency and enhancing scalability through cloud integrations and efficient microservices. Skilled in Agile methodology, CI/CD automation, and best practices in code quality. Eager to leverage technical strengths to innovate and drive efficiencies in stream processing solutions.

TECHNICAL SKILLS

- **Programming & Scripting:** Java, Python, SQL, C#, .NET, XML, JSON, JavaScript, Object-oriented Design, Design Patterns, Performance Optimization
- **Databases & Data Layers:** PostgreSQL, Oracle, SQL Server, MySQL
- **Automation & Controls (Exposure):** Allen-Bradley (ControlLogix, PLC5, SLC500), Siemens PLCs, PanelView HMIS
- **Infrastructure & Virtualization:** Docker, Kubernetes, VMware, Cloud (AWS, Azure, transferable to on-prem virtualized SCADA environments)
- **Integration & Testing:** REST APIs, Event-driven Systems, System Debugging, Unit/Integration/E2E Testing, AI Integration, Apache Kafka, UI Frameworks
- **Industry Context:** Compliance-heavy environments (HIPAA, data privacy standards 'transferable to life sciences/GxP)
- **Collaboration:** Agile/Scrum, Vendor & Client Management, On-site Project Support, Contractor Coordination
- **Soft Skills:** Problem-solving, Analytical Thinking, Communication, Travel Readiness

WORK EXPERIENCE

Wells Fargo

May 2024 - Present

Software Engineer

- Architected and developed robust Java and React solutions for enterprise-scale customer platforms in support of stream processing.
- Engineered and deployed Spring Boot microservices and APIs, reducing response latency by 30% while enhancing scalability.
- Integrated applications with AWS Cloud services, leveraging Google Cloud AI-driven enhancements to optimize performance.
- Validated quality through comprehensive testing with JUnit, Playwright, and Selenium, achieving 85%+ test coverage.
- Resolved full-stack technical issues by debugging complex system interactions, significantly improving system reliability and uptime.
- Collaborated with product managers and developers in Agile sprints to ensure design, implementation, and timely delivery of high-quality features.

Cognizant Technology Solutions

Jan 2021 - May 2023

Systems Engineer

- Designed and developed backend services in Java, Python, and Node.js, integrating Oracle and PostgreSQL databases to enhance system performance.
- Crafted REST APIs and single-page applications using React and Angular, reducing page load times by 25% and elevating customer experience.
- Implemented CI/CD pipelines with Git/GitHub and Jenkins, streamlining deployments and reducing manual deployment effort by 30%.
- Automated monitoring and debugging workflows to proactively decrease production issues by 25%.
- Participated in Agile ceremonies to ensure the successful delivery of business-critical features across distributed teams.

Cognizant Technology Solutions

Jun 2020 - Dec 2020

Systems Engineer Trainee

- Completed intensive training in Core Java, SQL/PLSQL, and system design, applying knowledge to proof-of-concept projects.
- Reduced defect backlog by 15% through debugging and enhancing backend Java modules.
- Designed optimized SQL queries for reporting features, boosting analytics performance.

Education

Youngstown State University

Aug 2023 - May 2025

Master of Science in Computer Science

Youngstown, Ohio

PROJECTS (SELECTED PERSONAL & ACADEMIC)

AWS-Based Log Analyzer (GitHub Repo)

- Built a Python application deployed on AWS Lambda to process log files and generate analytics dashboards using QuickSight.

CI/CD Portfolio (GitHub Repo)

- Containerized a sample Java Spring Boot app with Docker, deployed on Kubernetes with Jenkins CI/CD pipeline, and hosted on AWS EC2.

Hackathon Project – Smart Expense Tracker

- Developed a Flask-based web app that tracks expenses, integrates with MySQL, and visualizes insights with Chart.js.