# Venkata Pavan Panguluri

913-636-8949 | pavanpanguluri00@gmail.com

## Professional Summary

Cloud-focused Full Stack Java Developer with 5+ years of experience designing and deploying scalable web applications and microservices using Java, Spring Boot, Docker, and AWS. Known for improving system efficiency and accelerating delivery cycles through CI/CD automation. Demonstrated ownership of key projects, driving measurable business impact, and mentoring junior developers.

## Technical Skills

Languages: Java, JavaScript, HTML5, CSS3  
Frameworks: Spring Boot, React.js, Angular, Redux  
Databases: MySQL, MongoDB  
Tools: Git, Jenkins, Docker, AWS, Postman, IntelliJ  
Methodologies: Agile, Scrum, Microservices, CI/CD, OOP

## Professional Experience

* Full Stack Java Developer | American Express | Arizona, USA | Jan 2024 – Present

• Engineered and maintained 6+ Java Spring Boot microservices, optimizing transaction processing and reducing latency by 25%.  
• Built modular, responsive UIs using React.js, increasing customer satisfaction scores by 18%.  
• Streamlined CI/CD pipelines with Jenkins and Docker, decreasing release cycle times by 40%.  
• Integrated secure, real-time APIs for seamless data communication across the frontend and backend.  
• Collaborated in Agile sprints, consistently delivering features ahead of deadlines.

* Full Stack Java Developer | NielsenIQ | Jul 2021 – Jul 2023

• Led transition from monolithic platform to microservices, improving system scalability and uptime.  
• Developed and integrated REST APIs, reducing data load times by 30%.  
• Created interactive dashboards with React and Redux, enhancing decision-making for global clients.  
• Employed Docker to standardize deployments across development, staging, and production.  
• Contributed to Agile planning and demos, aligning technical delivery with business goals.

* Software Developer Intern | NielsenIQ | Jul 2020 – Jul 2021

• Delivered full-stack features using Spring Boot and React for internal tools.  
• Fixed critical bugs and implemented unit tests, improving software reliability by 20%.  
• Participated in code reviews and pair programming sessions, ensuring adherence to clean code standards.  
• Gained exposure to AWS deployments and DevOps workflows, including Git and Jenkins.

## Education

M.S. in Computer Science | University of Central Missouri | 2024

B.E. in Electronics & Communication Engineering | SCSVMV University | 2021

## Projects

* User Analytics Microservice

• Built and deployed analytics microservice (Java, React, AWS EC2/RDS) to monitor user behavior.  
• Secured endpoints using OAuth2.0 and JWT tokens; enabled cross-service communication via API Gateway.

* Task Management Platform

• Developed a real-time task collaboration tool with WebSocket notifications and REST APIs.  
• Deployed using Docker Compose, ensuring a consistent and scalable runtime environment.

* Expense Tracker App

• Built a full-stack personal finance tracker with Node.js, React, and MongoDB.  
• Integrated authentication with JWT and implemented CRUD APIs for transaction management.

## Certifications

• Java Spring Boot RESTful Web Services – Udemy  
• React – The Complete Guide – Udemy  
• AWS Cloud Practitioner Essentials – Amazon  
• Docker for Developers – Coursera  
• Agile with Atlassian Jira – Coursera

## Performance Highlights

* • Developed and maintained 6+ Spring Boot microservices, optimizing transaction throughput and reducing latency by 25%.
* • Engineered responsive, component-driven UIs using React.js, enhancing task completion rates by 18%.
* • Automated CI/CD workflows with Jenkins and Docker, accelerating deployment cycles by 40%.
* • Integrated secure REST APIs enabling real-time data flow between frontend and backend systems.
* • Collaborated with cross-functional Agile teams to deliver customer-impacting features ahead of deadlines.
* • Led migration of a legacy monolith into microservices architecture, boosting scalability and deployment velocity.
* • Designed RESTful APIs, reducing client data access latency by 30% and increasing responsiveness.
* • Created interactive dashboards with React and Redux, improving data clarity for 200+ enterprise users.
* • Standardized Docker environments across development, staging, and production, enhancing release stability.
* • Drove Agile sprint planning and demos, aligning engineering deliverables with evolving business priorities.
* • Implemented backend services and integrated React-based interfaces to support internal tooling enhancements.
* • Contributed unit and integration tests that improved codebase reliability and reduced bug rate by 20%.
* • Collaborated in code reviews and pair programming sessions, applying SOLID and clean code principles.
* • Assisted with AWS-based deployments, gaining hands-on DevOps experience with cloud infrastructure.
* • Architected and maintained 6+ Spring Boot microservices, reducing transaction latency by 25% and supporting $M+ daily in volume.
* • Led UI modernization initiative with React.js, resulting in an 18% improvement in user satisfaction survey scores.
* • Automated CI/CD pipelines using Jenkins and Docker, decreasing manual release times by 40% and reducing deployment errors.
* • Owned full lifecycle delivery for cross-functional features, collaborating with stakeholders to meet business KPIs.
* • Mentored two junior developers, improving onboarding time and overall code quality.
* • Directed migration of a monolithic analytics system to cloud-native microservices, boosting system uptime and scalability.
* • Developed REST APIs that reduced client-facing latency by 30%, enhancing analytics dashboard responsiveness.
* • Built modular dashboards using React and Redux to support 200+ enterprise users with real-time data insights.
* • Standardized Docker-based development environments, increasing deployment consistency and QA productivity.
* • Served as Agile point-of-contact during planning and retrospectives, aligning product goals with technical delivery.
* • Contributed full-stack features using Spring Boot and React for internal applications under senior engineer guidance.
* • Improved unit test coverage by 25%, reducing regression bugs and enhancing release reliability.
* • Participated in code reviews and implemented SOLID principles, strengthening team-wide code standards.
* • Supported AWS staging deployments and cloud automation tasks, gaining early hands-on DevOps exposure.