

Kartik Rayavarapu

Full-Stack Developer | FinTech

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SUMMARY

Software Engineer with 2+ years of experience developing high-availability Spring Boot microservices and secure APIs. Engineered systems achieving 99.9% uptime and reduced latency for same-day transfers. Skilled in AWS, Jenkins, and monitoring tools to accelerate delivery and minimize downtime.

SKILLS

- **Certifications:** AWS Certified Cloud Practitioner, Penn Labs - Data Science
 - **Languages:** Java, Python, C++/C, TypeScript
 - **Core Concepts:** Data Structures, Distributed Systems, Object-Oriented Design, Microservices Architecture, API Development, Secure Coding Practices
 - **Engineering Tools:** Git, AWS, Spring Boot, Jenkins, OpenShift, Apigee, Contrast, Archer, SonarQube, ServiceNow, BigPandaAI, Dynatrace, IBM BRE, Jira, Confluence
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WORK EXPERIENCE

Software Engineer | CGI | PNC Bank

Feb 2023 - Aug 2025 • Pittsburgh, USA

- Engineered high-availability systems for WBA transfers using failover and circuit breakers, achieving 99.9%+ uptime, health checks, auto-rollback, and reduced downtime to under 1%.
- Built Spring Boot microservices for user and biometric data usingDDD, async processing, caching, and delivered REST APIs with pagination, idempotency, contract tests to meet p99 throughput targets.
- Developed synchronous Spring Boot job processor for same-day transfers, reducing latency and boosting transactional throughput.
- Configured Apigee (OAuth2, mTLS, rate limits, quotas, threat protection); integrated VoiceBio and Twilio for enrollment and step-up auth; hardened payments with idempotent APIs and adaptive retries.
- Accelerated delivery and reduced MTTR with Jenkins/OpenShift using containerization, automated tests, blue-green deploys, and gated quality checks to shorten deploy time and reduce rollbacks.
- Implemented Dynatrace, ServiceNow, BigPandaAI monitoring with SLOs and anomaly alerts; embedded SAST/IAST (Contrast, Archer, SonarQube) into CI and led rapid production triage and remediation.

Business Analyst Intern | CGI

Jun 2021 - Aug 2021 • New York, NY, USA

- Led research on blockchain use cases in banking.
- Led research on AI use cases in banking.
- Presented recommendations for blockchain and AI initiatives in banking.

Software Engineering Intern | GEP Worldwide

Feb 2018 - Aug 2019 • Clark, NJ, USA

- Optimized Angular change detection to boost frontend performance.
 - Reduced application resource usage by ~30% through performance profiling and tuning.
 - Built reusable Angular components, cutting time-to-market by 25%.
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EDUCATION

B.S. in Computer Science | University at Buffalo, SUNY

Sep 2017 - May 2022 • Buffalo, NY, USA

CERTIFICATIONS

AWS Certified Cloud Practitioner

Penn Labs - Data Science