

Chakresh Doddi
Software Engineer
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PROFESSIONAL SUMMARY

- Full Stack Java Developer with **4+ years of experience** delivering **cloud-native, secure, and scalable applications** across enterprise and product environments.
- Improved **API response times by 30%** and **reduced system downtime by 25%** through optimized microservices using **Java 17, Spring Boot, and Kafka**.
- Designed and deployed **20+ RESTful APIs** integrating SQL (PostgreSQL, MySQL, Oracle) and NoSQL (MongoDB, DynamoDB) databases, supporting **10K+ end-users**.
- Automated **CI/CD pipelines** with Jenkins, Docker, and Kubernetes, cutting **deployment time by 40%** and ensuring **99.9% application uptime** on AWS and Azure.
- Achieved **90%+ unit test coverage** with JUnit/Mockito and enforced **SonarQube code quality checks**, reducing production bugs by **30%**.
- Collaborated with cross-functional Agile teams of **5–10 members**, accelerating feature delivery cycles by **35%** and ensuring secure implementations using **OAuth2 and JWT**.

Core Competencies: Java 17 · Spring Boot · Spring Cloud · Microservices · REST APIs · Kafka · Redis · Docker · Kubernetes · Jenkins · AWS (EKS/EC2/RDS) · OAuth2/JWT · JUnit/Mockito · PostgreSQL/MySQL/Oracle

TECHNICAL SKILLS

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|----------------------------|---|
| Languages | Java (up to Java 17), SQL, HTML, CSS, JavaScript |
| Frameworks/Libraries | Spring Boot, Spring Cloud, Microservices, JPA, Hibernate, REST APIs, React.js, Angular, Bootstrap, jQuery |
| Testing & Code Quality | JUnit, Mockito, Test-Driven Development (TDD), SonarQube, Code Reviews |
| Databases | MySQL, PostgreSQL, Oracle 12c/19c, MongoDB, DynamoDB |
| DevOps & Tools | Git, GitHub, Jenkins, Maven, Docker, Kubernetes, CI/CD Automation, AWS API Gateway |
| Cloud Platforms | AWS (EC2, S3, RDS, IAM, EKS, SNS, MSK), Azure, OpenShift |
| Monitoring & Observability | Prometheus, Grafana, CloudWatch |
| Agile & Collaboration | Scrum, Kanban, Jira, Confluence, SharePoint |
| Others | Kafka, RabbitMQ, Redis, IntelliJ, VS Code, Eclipse, JBoss, Log4j |

PROFESSIONAL EXPERIENCE

Backend Developer | Saint Louis University – St. Louis, MO | Jul 2024 – Apr 2025.

- Designed and developed a Doctor Burnout Prevention Platform serving 5K+ healthcare providers, using Spring Boot microservices, MongoDB, and Kafka, improving API response times by 30%.
- Deployed secure, containerized services on Azure Kubernetes Service (AKS), achieving 99.9% uptime and cutting deployment cycles by 40% with automated CI/CD pipelines.
- Implemented OAuth2 and JWT authentication, strengthening application security and ensuring HIPAA-compliant access control.
- Conducted unit and integration testing (JUnit, Mockito) to maintain 90%+ test coverage, reducing post-release defects by 30%.

- Collaborated with cross-functional Agile teams of 8+ members, accelerating sprint delivery by 35% through effective planning and retrospectives.

Software Engineering Intern | *Saint Louis University – St. Louis, MO* | Jan 2024 – Jun 2024.

- Designed a **cloud-native food delivery platform** using **Java 17, Spring Boot, and PostgreSQL**, reducing API latency by **20%** through optimized queries and caching.
- Built and deployed **REST APIs** for order, payment, and delivery modules on **AWS EC2 and S3**, supporting **1K+ daily transactions**.
- Containerized services with **Docker** and deployed on **AWS ECS**, cutting release cycles from **2 weeks to 3 days**.
- Enhanced front-end integration with **React.js**, ensuring secure and seamless user experience across modules.

Associate Software Engineer | *Accenture Solutions Pvt. Ltd. – Hyderabad, India* | Jun 2021 – Jun 2023

- Developed **microservices-based job tracking system** used by **10K+ employees**, ensuring **90%+ unit test coverage** and reducing defect rate by **30%**.
- Automated **CI/CD pipelines** with Jenkins, cutting **deployment effort by 50%** and accelerating release cycles.
- Enhanced application security with **role-based access control** and input validation, reducing vulnerabilities by **25%**.
- Resolved **100+ production issues** through root cause analysis, improving system stability and uptime.
- Mentored **5+ junior developers**, improving team productivity and code quality through peer reviews and technical guidance.

Java Developer Intern | *Newton School – Remote, Bengaluru* | Jun 2020 – Apr 2021

- Built multiple **CRUD applications** using **Java, Spring Boot, MySQL, and React.js** as part of live client simulation projects.
- Developed **reusable components and libraries**, improving team delivery speed by **15%**.
- Optimized **React state management and API calls**, enhancing application responsiveness and user experience.

EDUCATION

Master of Science in Information Systems | *Saint Louis University – St. Louis, MO* | May 2025

- GPA: 3.94 / 4.0
- Focus: Software Engineering, Cloud Computing, Full Stack Development
- Key Projects: Java 17, Spring Boot Microservices, AWS, Azure, React.js
- Leadership: Team Lead in Agile projects, hackathons, and tech initiatives

Bachelor of Technology in Electrical & Electronics Engineering | *Kakatiya University College of Engineering & Technology – Telangana, India* | May 2021

- GPA: 8.7 / 10.0
- Activities: Member of IETE (The Institution of Electronics and Telecommunication Engineers) & TASK (Telangana Academy for Skill and Knowledge), robotics and poster competitions, tech fests.

ACHIEVEMENTS & LEADERSHIP

- **Winner – Statewide Mathematics Olympiad (1st Rank):** Demonstrated advanced logical reasoning and problem-solving skills.
- **1st Place – Robotics Competition (Engineers' Day):** Led a 4-member team to design and build an

autonomous robot, outperforming 20+ teams.

- **3rd Place – Poster Presentation (KLIOTECH'19):** Presented an innovative energy project at a national-level symposium.
- **Finalist – Smart India Hackathon 2020:** Developed an IoT-based healthcare solution, selected among top-performing teams nationally.
- **Organizer – Mental Health Awareness Campaigns:** Directed university-wide initiatives promoting emotional well-being and stress management.
- **Hackathons & Tech Events – SLU:** Active participant in full-stack and cloud-native development challenges and workshops.

CERTIFICATIONS

- AWS Certified Developer – Associate (In Progress)
- Oracle Certified Professional: Java SE 17 (Planned)
- Kubernetes Certified Administrator – CKA (Planned)
- Object-Oriented Programming in Java | [UC San Diego](#) |
- Java Skill Certification Test | [OneRoadmap](#) |
- Java (Basic) Certificate | [HackerRank](#) |
- Software Engineering Job Simulation | [JPMorgan Chase & Co.](#) |
- Introduction to Generative AI Studio | [Simplilearn](#) |
- Introduction to Git and GitHub | [Google Cloud Skills Boost](#) |
- Java Certification | [Knowledge Gate](#) |