**Chakresh Doddi**

**Software Engineer**

[**chakreshdoddi2404@gmail.com**](mailto:chakreshdoddi@gmail.com)

**+1 3145755820**

**LinkedIn:** [**www.linkedin.com/in/chakresh-doddi**](https://www.linkedin.com/in/chakresh-doddi)

**GitHub:** [**https://github.com/ChakreshDoddi**](https://github.com/ChakreshDoddi)

**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](https://www.coursera.org/account/accomplishments/verify/RC3FDM4MQDOS) |
* Java Skill Certification Test | [OneRoadmap](https://oneroadmap.io/skills/java/certificate/CERT-8A64E93A) |
* Java (Basic) Certificate | [HackerRank](https://www.hackerrank.com/certificates/iframe/18a265b68c05) |
* Software Engineering Job Simulation | [JPMorgan Chase & Co.](https://forage-uploads-prod.s3.amazonaws.com/completion-certificates/Sj7temL583QAYpHXD/E6McHJDKsQYh79moz_Sj7temL583QAYpHXD_WvqrpNCtLQqjcS3Du_1753165104184_completion_certificate.pdf) |
* Introduction to Generative AI Studio | [Simplilearn](https://certificates.simplicdn.net/share/8748121_55323361754537797406.pdf) |
* Introduction to Git and GitHub | [Google Cloud Skills Boost](https://www.coursera.org/account/accomplishments/verify/40NDPDZA3V2W) |
* Java Certification | [Knowledge Gate](https://learn.knowledgegate.ai/learn/certificate/12348157-219979) |