Chandu Dubaguntla Software Developer

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PROFESSIONAL SUMMARY

- **Software Developer with around 4 years of experience** in full-stack development, software architecture, and system optimization, leveraging **Java, Python, Spring Boot, React.js, and Node.js** to build scalable, high-performance applications.
- **Expert in API development and microservices architecture**, designing **RESTful and GraphQL APIs**, implementing **OAuth 2.0 authentication**, and optimizing API response times by **35%** using caching and asynchronous processing.
- **Strong expertise in cloud computing and DevOps**, deploying and managing applications on **AWS (EC2, Lambda, S3), Azure, and Kubernetes**, automating CI/CD pipelines with **Docker, Jenkins, and GitHub Actions**, reducing deployment time by **40%**.
- Proficient in database design and performance optimization, **implementing** SQL (PostgreSQL, MySQL) and NoSQL (MongoDB, DynamoDB**), indexing queries, and streamlining pipelines with** Apache Kafka and Airflow**, cutting data retrieval time by** 30%**.**

TECHNICAL SKILLS

Programming Languages & Frameworks: C++, Java, Python, JavaScript, React, Node.Js, Spring Boot, Express.Js, Angular.Js, Django
Database Management: SQL, MongoDB, PostgreSQL, MySQL
Cloud Platforms & DevOps: AWS, Azure, Docker, Kubernetes
Frontend & UI/UX Development: HTML5, CSS3, Bootstrap,Tailwind
Development & Integration: RESTful APIs, GraphQL
Version Control Systems: Git, GitHub, GitLab
Software Testing & Debugging: JUnit, Jest, Mocha
Agile & Project Management: JIRA, Trello, Scrum, Kanban Performance Optimization: Algorithm efficiency, Data structures

PROFESSIONAL EXPERIENCE

Software Developer, IBM   Jul 2023 – Present |Remote, USA

- **Designed** and implemented **cloud-native, serverless architectures** leveraging **AWS Lambda, DynamoDB, and S3**, reducing infrastructure costs by **30%** while enhancing fault tolerance and scalability.
- **Optimized** high-traffic APIs by integrating **Redis caching, GraphQL, and asynchronous processing**, cutting API response times by **45%**, scaling to support **10,000+ concurrent users**.
- **Implemented enterprise-grade security protocols**, including **AES-256 encryption, SAML-based SSO authentication, and Zero Trust Architecture**, ensuring **full compliance with SOC 2, GDPR, and ISO 27001** security standards.
- **Built** an **interactive, real-time analytics dashboard** using **React, D3.js, and WebSockets**, enabling live performance monitoring while reducing data processing latency by **28%**.
- **Automated** software release pipelines by implementing **GitHub Actions, Kubernetes, and Helm charts**, accelerating deployment cycles by **40%**, reducing manual intervention, and improving release reliability.
- **Led** comprehensive **root-cause analysis (RCA)** for system bottlenecks, profiling application memory usage, and optimizing **Garbage Collection (GC) strategies**, reducing memory leaks and improving overall system responsiveness by **20%**.

Software Developer, CGI   May 2020 – Jul 2022 |India

- **Architected** and deployed **scalable, high-availability microservices** using **Spring Boot, Kubernetes, and Docker**, reducing system downtime by **30%**, handling **1M+ daily API requests**, and ensuring seamless failover mechanisms.
- **Developed** an **enterprise-grade multi-factor authentication (MFA) system** integrating **OAuth 2.0, JWT, and biometric authentication**, reducing unauthorized access incidents by **62%** while strengthening data security compliance.
- **Revamped** database **indexing, partitioning, and query optimization strategies** in **PostgreSQL and MongoDB**, improving transaction speeds by **40%** and enhancing data retrieval efficiency.
- **Refactored** monolithic legacy applications into **containerized, modular services** with **gRPC and RESTful APIs**, improving maintainability, scalability, and deployment efficiency by **25%**, reducing regression errors.
- **Orchestrated end-to-end CI/CD automation** using **Jenkins, Terraform, and Docker**, reducing software deployment time by **45%** and enabling seamless blue-green deployments.
- **Mentored** and guided **5+ junior developers**, conducting **code reviews, technical workshops, and sprint planning sessions**, increasing team productivity by **15%** and reducing production defects
- **Enhanced** frontend performance by optimizing **React.js and Redux state management**, improving UI responsiveness, reducing **load times by 1.5 seconds**, and elevating user experience.
- **Engineered** an **event-driven data pipeline** using **Apache Kafka and RabbitMQ**, ensuring **35% lower latency** in processing real-time transactions and improving system responsiveness.

EDUCATION

Pittsburg State University   Aug 2022 – Dec 2023 |Kansas, USA
Master of Science in Information Technology
Srm Institute of Science & Technology   Jul 2017 – May 2021 |Tamil Nadu, India
Bachelor of Technology in Electronics and Communication Engineering

CERTIFICATIONS