KANAKARAJU GOTTUMUKKALA

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PROFESSIONAL SUMMARY

Software engineer with 5+ years of experience developing and deploying scalable fintech solutions and AI platforms. Expertise includes cloud-native deployment (AWS, Docker, Kubernetes, Terraform), CI/CD automation, and secure API integrations, leading to reduce API response times by 25% and cutting release cycles in half. Led the construction of a web IDE integrating Gemini, Claude, and Llama 3 models, which can handle concurrent loads response times.

PROFESSIONAL EXPERIENCE

Software Engineer – DXC Technology – Plano, TX   *May 2025 – present*

- Delivered a **workflow management platform** with Spring Boot, Node.js, and React, deployed via AWS Elastic Beanstalk and RDS, which accelerated team project.
- Automated **subscription workflows** through Stripe webhooks, removing **40% of manual tasks** and cutting customer support resolution time by **25%**.
- Increased **transaction success rate by 5%** through refined Stripe API flows, reducing charge failures and saving the business **$5K monthly**.
- Coordinated with product managers and QA under **Agile sprints**, ensuring **100% on-time feature releases** aligned with stakeholder expectations.
- Expanded **test coverage from 55% to 80%** by implementing JUnit, Mockito, and Jest test suites, lowering production issues by **30%**.
- **Containerized services using** Docker **and streamlined deployments with** CI/CD pipelines in GitHub Actions**, reducing deployment time from** 30 minutes to under 10 minutes**.

Software Engineer – Fidelity National Information Services (FIS Global), India   *Jun 2022 – Jul 2023*

- Designed and scaled merchant payment modules supporting **10,000+ global merchants**, embedding **fault tolerant error handling and monitoring** to maintain **99.99% uptime** during peak load.
- Implemented **20+ Spring Boot microservices** with efficient database queries and caching layers, cutting API latency by **25%** and handling **30% YoY growth** without system strain.
- Orchestrated deployment pipelines with **Jenkins, Docker, AWS CodePipeline, Terraform**, compressing release cycles to **3 days** and enabling **50% faster go-lives** with safe rollbacks.
- Introduced **15+ modular React/Material-UI components** with lazy loading and smarter state handling, driving a **25% boost in frontend performance** and smoother merchant onboarding.
- Expanded conducted testing with **JUnit, Mockito, Selenium**, raising test coverage from **55% → 85%**, cutting post release defects by **40%**, and strengthening compliance.
- Authored **API specs, system diagrams, and deployment run books**, reducing reliance on senior architects by **20%** and preserving knowledge across teams.

Software Developer – L&T Finance Limited, India   *Oct 2020 – Jun 2022*

- Authored full-stack **loan management/payment modules** using Spring Boot, Java, React, and PostgreSQL for **50,000+ active customers**, ensuring frictionless transactions.
- Published and tuned **REST APIs with authentication + rate limiting**, trimming response times by **30%** and strengthening security posture.
- Developed **15+ React components** with Redux state flows, standardizing UI patterns and trimming development effort by **25%**.
- Deployed **automated CI/CD pipelines** (Jenkins + Docker), shrinking release cycles from **2 weeks → 1 week** and enabling zero downtime rollouts.
- Spearheaded API integration with Experian, Equifax, and TransUnion, enabling instant credit checks and cutting loan decision times by 30%, as presented to VP of Engineering.

Jr. Software Developer – KPMG, India   *Apr 2019 – Sep 2020*

- Facilitated to **internal audit & compliance apps** built on Java, Spring Boot, Angular, and MySQL, serving **5,000+ users** business units.
- Delivered **10+ secure APIs** with validation and logging, enhancing data reliability and reducing integration issues by **15%**.
- Applied **RBAC and security patches**, reinforcing adherence to **ISO 27001 + GDPR** standards.
- Tuned SQL queries and backend logic, dropping report generation from **12s → 4s**, giving auditors faster access to insights.
- Revamped and executed CI/CD implementation strategy using Jenkins, which directly resulted in 10% fewer rollbacks and freed up five hours per week for other tasks.

TECHNICAL SKILLS

Programming & Frameworks:	Java, Spring Boot, Python, JavaScript, TypeScript, React, Node.js. Vue, nginx, Memcached, Angular, GraphQL, Tailwind CSS
Cloud & Infrastructure:	AWS, Docker, Kubernetes, Terraform, Jenkins, Git, GitHub/GitLab CI/CD, Azure
Databases & Data Management:	PostgreSQL, MySQL, Redis, DuckDB, Data Modeling, Query Optimization
AI, ML & LLM Integration:	Google Gemini 3 Pro, Claude 4.5, Llama 3, Ollama, Fraud Detection APIs, ML Pipelines
APIs & Integrations:	REST, SOAP, OAuth 2.0, JWT Authentication, Google Maps API
Monitoring & Observability:	Prometheus, Grafana, Logging & Alerting Systems
Development Practices:	Agile/Scrum, Sprint Planning, Git, Secure Coding Standards
Other Tools & Platforms:	Monaco Editor, IntelliJ IDEA, Visual Studio Code

EDUCATION

University of Missouri–Kansas City (UMKC), Kansas City, MO
Master of Science in Computer Science   *Aug 2023 – May 2025*

KEY PROJECTS

VelocIDE - AI-Based Code Editor ⌥   Apr 2025
- Built production-ready web IDE integrating Google Gemini 3 Pro, Claude 4.5 Sonnet, and Llama 3 models with autonomous file management LLMs create, delete, and modify entire codebases with 5ms response.
- Prepared 6-service Docker microservices architecture achieving sub-10ms response times (Auth: 6ms, AI Agent: 5ms, Compiler: 13ms) with 1ms file reads and 8ms writes for real-time workspace synchronization.
- Architected OAuth 2.0/JWT authentication supporting 20+ concurrent users with 6ms response times, 50MB memory footprint per service, and robotised cleanup with rate limiting.