Jaydeep Gondaliya

Software Engineer

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SUMMARY

Software Engineer with 6+ years of experience designing and developing scalable, high-performance applications. Strong expertise in Java and Spring Boot for backend systems, with experience building secure RESTful and GraphQL APIs. Skilled in creating responsive frontends using React.js, Next.js, and TypeScript. Proficient in cloud-native deployment on AWS (EC2, S3, RDS) and Azure (App Services, AKS, Azure SQL), leveraging Docker, Kubernetes, and CI/CD pipelines to deliver efficient, automated solutions. Experienced in relational and NoSQL databases including PostgreSQL, MySQL, MongoDB, and Redis, with a focus on performance optimization. Strong knowledge in implementing secure microservices with Spring Security, OAuth2, and JWT, and ensuring code quality through unit and integration testing with JUnit, Selenium, and Postman.

SKILLS

Programming & Frameworks: Java 17, Spring Boot, Spring MVC, Hibernate, Python, Node.js, Express.js, RESTful APIs, GraphQL, Microservices
Frontend Development: JavaScript, TypeScript, React.js, Next.js, Angular, HTML5, CSS3, Tailwind CSS, Material UI, Responsive Web Design
Databases & Data Management: MySQL, PostgreSQL, MongoDB, DynamoDB, Redis, Cassandra, SQL Optimization, Caching (Redis, Memcached)
Cloud & DevOps: AWS (EC2, S3, Lambda, RDS, API Gateway, CloudWatch), Azure (App Services, AKS, Azure SQL), Docker, Kubernetes, Terraform, Ansible, Jenkins, GitHub Actions, CI/CD Pipeline Automation, CloudFormation
Version Control & Tools: Git, GitHub, GitLab, Bitbucket, Code Reviews, Branching & Merging Strategies
Testing & Quality Assurance: JUnit, Mockito, Selenium, Cypress, Jest, Mocha, Postman, Load & Performance Testing, Test Automation
Security & API Management: Spring Security, OAuth2, JWT, RBAC, Swagger/OpenAPI, HIPAA/GDPR Compliance
Agile & Collaboration: Agile (Scrum/Kanban), Sprint Planning, Cross-Functional Teamwork, Retrospectives, Documentation & Knowledge Sharing

PROFESSIONALEXPERIENCE

United Health (Contract) **Jan 2025 – Present | USA**
Software Developer II

- Redesigned backend services for healthcare SDK integrations using Java 17, Spring Boot, and distributed Microservices architecture, enabling seamless communication with 15+ third-party APIs and improving system throughput by 2.3x while ensuring fault-tolerant scalability across environments.
- Developed patient-facing web applications with React.js, TypeScript, and Material UI components, improving telehealth scheduling workflows, appointment reminders, and medical history visibility, contributing to a 22% reduction in missed consultations across partner healthcare providers.
- Optimized EHR and pharmacy data API performance by implementing RESTful and GraphQL hybrid services, leveraging PostgreSQL indexes, Redis in-memory caching, and asynchronous processing, reducing response latency from 1.9 seconds to 400ms while enhancing transaction reliability.
- Engineered CI/CD pipelines using Jenkins, GitHub Actions, Docker containers, Kubernetes clusters, and Terraform scripts, enabling repeatable deployments, reducing manual configuration errors, and accelerating healthcare software release cycles from 3 weeks to 4 days.
- Strengthened enterprise application security with Spring Security, OAuth2, JWT authentication, and RBAC enforcement policies, achieving full HIPAA and GDPR compliance, protecting sensitive PII/PHI data, and securing 1M+ patient medical records against unauthorized system access.
- Streamlined healthcare analytics pipelines by optimizing PostgreSQL queries, MongoDB aggregations, and Redis caching strategies, modernizing ETL workflows, and reducing medical data transformation times from 7 hours to 45 minutes, enabling near real-time predictive analysis.
- Migrated critical SDK-based healthcare services to AWS infrastructure (EC2, S3, RDS, API Gateway, CloudWatch monitoring), supporting 250K+ concurrent users during seasonal enrollment peaks, and reducing annual infrastructure operating expenses by 18%.

Cognitive **Sep 2017 – Jul 2023 | India**
Senior Software Engineer

- Designed a scalable microservices-based payment settlement platform using Java 17, Spring Boot, Hibernate, and Kafka, capable of processing 80K daily transactions across multiple financial institutions, improving reconciliation accuracy and significantly reducing manual intervention efforts.
- Constructed highly responsive client-facing portals with React.js, Redux, TypeScript, and RESTful APIs, providing seamless access to real-time portfolio insights, which reduced manual customer service queries by 18% and increased user engagement across multiple financial products.
- Boosted backend loan origination services by implementing Redis caching, connection pooling, and query tuning in PostgreSQL, cutting loan approval processing time from 90 seconds to 12 seconds, resulting in improved customer satisfaction and operational throughput.
- Implemented secure enterprise-grade APIs leveraging Spring Security, OAuth2, and JWT tokens, ensuring strict adherence to PCI-DSS and SOX compliance standards, while enabling secure data exchange across four large-scale banking systems in production.
- Automated end-to-end CI/CD pipelines using Jenkins, GitHub Actions, Docker, Kubernetes, and Terraform, reducing deployment rollbacks by 35% and accelerating release frequency from monthly cycles to bi-weekly delivery schedules across multiple financial applications.
- Deployed core banking modules onto AWS (EC2, S3, RDS, CloudWatch, Lambda), enabling the system to scale for 30K+ concurrent users during quarterly reporting peaks, maintaining zero downtime and ensuring uninterrupted financial operations across global clients.
- Enhanced fraud detection capabilities by integrating Kafka, Spark Streaming, and machine learning anomaly detection models, successfully identifying and blocking 1,500 suspicious transactions monthly, reducing financial losses and improving trust with regulatory authorities.
- Built advanced treasury management dashboards with Next.js, GraphQL, and D3.js visualizations, empowering operations teams to monitor fund transfers in real time, improving reconciliation accuracy, and reducing issue resolution timelines by over 40% in production environments.
- Integrated external APIs for stock market feeds, currency conversion rates, and financial reporting data using REST and WebSockets, ensuring trade accuracy for $300M+ worth of monthly transactions, while enabling reliable global market interoperability.
- Improved system monitoring and observability using ELK Stack, Prometheus, and Grafana dashboards, cutting mean time to resolution from 3 hours to 50 minutes, improving incident response efficiency during high-volume trading and reporting operations.
- Modernized financial reporting workflows by implementing event-driven architecture with Apache Pulsar, Debezium, and CDC pipelines, enabling real-time synchronization of transactional data across 5 distributed systems and reducing month-end reconciliation delays by 60 hours per cycle.
- Architected serverless risk analysis module using AWS Lambda, DynamoDB, and Step Functions, processing 25K+ risk evaluations daily with near real-time SLA, which strengthened fraud detection precision and improved regulatory compliance audit readiness for enterprise financial clients.

PROJECTS

Restaurant Application | React Native, Firebase, Node.js, JavaScript | GitHub Link

- Spearheaded development of a cross-platform restaurant application using React Native, Firebase, and Node.js, enabling real-time menu updates, digital payments, order tracking, and secure user authentication for 300+ active daily users.
- Engineered advanced features including QR-based table booking, live customer traffic monitoring dashboards, predictive revenue analytics, and push notification alerts, leveraging Firebase Firestore for seamless scalability and multi-device synchronization.
- Optimized overall search performance by implementing binary search algorithms and caching strategies, reducing item lookup time by 63%, improving system responsiveness, faster order placements, and enhanced user satisfaction metrics.

EDUCATION

Master of Science in Computer Science **May 2025**
California State University, Los Angeles GPA: 3.89/4

Bachelor of Engineering in Computer Engineering **Jul 2017**
Gujarat Technological Technical, Gujarat, India GPA: 3.44/4