SUNNY SHAH

Java Developer

CT, USA | +1 747-677-9278 | sunnyshah2398.dev@gmail.com | LinkedIn | GitHub | Portfolio

Professional Summary

Results-driven Java Developer with over 4 years of hands-on experience in building and deploying enterprise-grade, cloud-native microservices and APIs. Expert in Spring Boot, REST, Kafka, and containerized environments (Docker, Kubernetes). Proven ability to deliver scalable, secure, and high-performance solutions in fast-paced Agile teams. Adept in leveraging DevOps pipelines, CI/CD automation, and observability tools to streamline deployments and accelerate delivery cycles. Strong understanding of cloud platforms (AWS, GCP, Azure), backend optimization, distributed systems, and frontend frameworks including React.js, Angular.js, and Vue.js.

Technical Skills

Languages:	Java (8–21, EE), Python, JavaScript, TypeScript, Go, SQL
Web Technologies:	HTML5, CSS3, React.js, Angular.js, Redux, Node.js, Vue.js, Bootstrap, jQuery, Ajax, JSON, XML, Apache Tomcat, Web Sphere
Frameworks:	Spring Boot, Spring Cloud, Hibernate, JPA, Mockito, JUnit, Express.js
APIs:	RESTful, GraphQL, gRPC, OpenAPI/Swagger
Databases:	PostgreSQL, MySQL, MongoDB, Redis, Cassandra
Cloud & DevOps:	AWS (ECS, Lambda, S3, RDS), GCP (Cloud Run, Pub/Sub), Azure (Functions), Docker, Kubernetes, Helm, Terraform, Jenkins, GitHub Actions, CircleCI
Monitoring & Logging:	ELK Stack, Prometheus, Grafana, Splunk, Datadog
Messaging & Streaming:	Apache Kafka, RabbitMQ, SQS, EventBridge
Security:	OAuth2, JWT, API Gateway, Secrets Manager, Secure SDLC
Tools:	Git, IntelliJ, VS Code, Maven, Gradle, Jira, Confluence

Professional Experience

Software Engineer
UnitedHealth Group **Jul 2023 – Present**

- Designed and developed a distributed microservices-based system for handling real-time patient data exchange between internal applications and third-party providers, ensuring scalability and compliance with evolving data privacy standards.
- Led the implementation of event-driven architecture using Kafka Streams to replace batch-processing systems, reducing data processing latency by 40% and enhancing real-time analytics capabilities.
- Created robust RESTful APIs using Spring Boot, with OpenAPI specifications to facilitate smooth integration with external systems and faster onboarding for new developers.
- Migrated legacy healthcare applications to microservices deployed on AWS ECS and integrated with RDS and S3, improving system uptime and reducing cloud costs through auto-scaling and resource optimization.
- Integrated new Java-based services with existing .NET-based legacy systems, developing interoperability adapters and contributing to gradual modernization of .NET endpoints — resulting in 30% faster data syncs across platforms.
- Introduced a GitOps-based CI/CD workflow with Jenkins, GitHub Actions, and Terraform to automate deployments across staging and production environments, decreasing release cycles from 2 weeks to 2 days, and achieving 90%+ build success rates in production deployments.
- Established centralized monitoring using ELK Stack, Prometheus, and Grafana, reducing MTTR (Mean Time to Resolution) by 45% and significantly improving observability and on-call incident response.

- Implemented secure authentication mechanisms using OAuth2.0 and JWT, meeting HIPAA and SOC 2 requirements for identity and access management, ensuring data privacy for over 1M patient records and full compliance during third-party audits.
- Built and enhanced internal-facing React.js and Angular.js dashboards for system monitoring and support workflows, increasing operations team efficiency by 25% through real-time visual insights and issue resolution features.
- Acted as a technical mentor across cross-functional Agile squads, driving best practices in code quality, system design, and DevOps automation, and contributing to a 20% improvement in sprint velocity.

Full Stack Developer
Deloitte **Jan 2019 – Jul 2021**

- Revamped a legacy digital payments platform for a Fortune 500 financial client by developing Spring Boot-based microservices, enabling the system to handle 50K+ concurrent transactions with 99.98% uptime across global regions.
- Designed and built responsive web UIs using React.js, Vue.js, Bootstrap, and Sass, improving user satisfaction scores by 30% and reducing bounce rates across mobile and desktop by 22%.
- Partnered with UI/UX designers and stakeholders to implement accessible, user-friendly interfaces, conducting A/B testing and usability reviews that led to 20% faster task completion times for end users.
- Developed and consumed RESTful and GraphQL APIs for secure, real-time data exchange between frontend dashboards and backend services, accelerating frontend load times by 40%.
- Built event-driven backend workflows using Apache Kafka and RabbitMQ, supporting real-time transaction validation and fraud detection.
- Developed Python scripts to automate Kafka message validation and simulate edge-case traffic scenarios in staging.
- Applied Redux and Vuex for state management and optimized rendering through lazy loading and code splitting, decreasing first contentful paint (FCP) time by ~35%.
- Conducted backend tuning through SQL optimization, NoSQL indexing, and load testing using JMeter, resulting in a 60% increase in system throughput and stable performance under peak loads.
- Created lightweight Python automation tools for log scraping, regression testing, and post-deployment validation, reducing manual QA time by 40% and improving test coverage.
- Used Pandas and Matplotlib to analyse real user interaction data from web apps and support iterative UI/UX refinements based on engagement trends and behaviour metrics.
- Deployed containerized services using Docker and Kubernetes (GKE), enabling zero-downtime deployments and 95% deployment success rate across multiple regions.
- Managed infrastructure-as-code with Terraform and Helm, reducing provisioning time from hours to minutes and supporting repeatable CI/CD deployments across environments.

Education

Master of Science in Computer Science **Aug 2021 – May 2023**
University of New Haven, Connecticut, USA

Bachelor of Engineering in Computer Engineering **June 2017 – Oct 2020**
University of Mumbai, India