

Saqib Abbas

US Citizen | Ability to Obtain a U.S. Security Clearance | Corona, CA
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PROFESSIONAL SUMMARY:

Distributed Systems & Platform Engineer with 12 years of professional experience designing, building, and optimizing high-throughput execution layers and parallel data processing engines. Expert in statically typed enterprise environments (Java), thread safety, and distributed state synchronization for platforms handling millions of concurrent operations. Product-minded engineer with a proven track record of developing internal developer utilities, diagnostic dashboards, and automated workflows to eliminate engineering friction.

CORE COMPETENCIES:

- **ASystems & Architecture:** Distributed Systems, High-Concurrency Execution Layers, Thread Safety, Parallel Processing, Fault-Tolerant Subsystems, State Synchronization
 - **Languages:** Java (Expert/Statically Typed), TypeScript, JavaScript, Python, Groovy, SQL
 - **Infrastructure & GitOps:** Kubernetes (AWS EKS), Docker Containerization, Helm Charts, GitLab CI/CD Pipeline Automation, YAML
 - **APIs & Data Layers:** REST APIs, API Design, JSON/JSON-Schema Parsing, PostgreSQL, MySQL, Redis, In-Memory Caching
 - **Developer Experience (DevEx):** Internal Diagnostic Tools, Automation Scripting, Custom Engineering Frameworks, Markdown Technical Specs
 - **Compliance & Security:** Enterprise Audit Trails, Cryptographic Token Propagation (OAuth/JWT), Framework Compliance Foundations (SOC2/Enterprise Security Controls)
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PROFESSIONAL EXPERIENCE:

Sajjadia Islamic Society | Corona, CA

Technology Lead & Full-Stack Developer (Volunteer) | May 2026 – Present

- **End-to-End Product Ownership:** Scoped, designed, and launched a modern decoupled web platform utilizing **Astro, TypeScript, React, and Sanity CMS**, acting as the primary driver of product UX and system architecture.
- **API Integration & State Management:** Programmatically wired third-party transactional layers and headless API endpoints, building structured content schemas that separated data layer constraints from presentation interfaces.

SAVIYNT INC | Los Angeles, CA

Technical Lead, Software Engineering | April 2015 — February 2026

- **High-Throughput Execution Layer:** Architected and engineered a core parallel data processing engine to handle high-concurrency state synchronization and bulk ingestion pipelines scaling past **1M+ records**.
- **Concurrency & Latency Optimization:** Overhauled a legacy sequential processing bottleneck, shifting execution to a custom non-blocking, multi-threaded Java architecture; successfully reduced data processing latency by **90%**.
- **Fault-Tolerant System Design:** Built a data validation and resilient pipeline subsystem providing automated error recovery mid-stream, preventing partial execution failures from corrupting state or halting downstream systems.
- **Developer Diagnostics & UI Tools:** Designed and maintained internal developer-facing diagnostic utilities and performance instrumentation dashboards, giving engineering teams live visibility into service execution health and pipeline metrics.
- **API & Framework Standardization:** Authored reusable configuration components and decoupled data-driven attribute mapping layers using strict REST API and JSON-Schema definitions, cutting baseline development lead times by 40% for new platform integrations.
- **Cloud-Native SRE & Infrastructure:** Driven the cloud modernization of platform services by containerizing backend components into **AWS EKS (Kubernetes)** deployments managed through automated **GitLab CI/CD pipelines** and Helm charts.
- **Secure System Engineering:** Wrapped the core distributed pipeline within secure token propagation layers (OAuth/JWT) to enforce cryptographically secure data handling and comprehensive enterprise compliance audit trails.
- **Technical Spec Leadership:** Collaborated with cross-functional product and QA leads to author technical specifications, isolate production bottlenecks across distributed environments, and mentor 5+ junior engineers on thread safety and optimization patterns.

Cognizant | Sacramento, CA

Java Developer | January 2014 – February 2015

- Developed distributed enterprise application services using Java, Spring, and Hibernate within a high-volume, service-oriented architecture (SOA).
- Managed runtime configuration debugging, data schema validation scripts, and system dependency documentation.

EDUCATION:

University of Central Florida | Orlando, FL | **Bachelor's** - Information Technology

Valencia College | Orlando, FL | sssociates - Computer Programming and Analysis