**Muhammad Sufyaan Khateeb**

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## SUMMARY

Backend Software Engineer with 3+ years contributing to the architecture, design, and reliability of distributed, event-driven systems built for scale in **Python, Java/Spring Boot, Go, and Node.js**. Experienced across the backend lifecycle: RESTful API design, containerized deployment (Docker, Kubernetes), and cloud-hosted services on AWS and GCP (including GCP Cloud Functions). Track record of measurable reliability and cost impact – cutting query spend, reducing API latency, and lowering incident resolution time through better backend architecture and fault-tolerant system design.

## WORK EXPERIENCE

**Wells Fargo** June 2025 – Present

*Software Engineer* Bengaluru, India

- Led design and development of a backend orchestration platform that automated complex data-pipeline migrations and integrated AI-driven code assistants, reducing manual developer effort for new data ingestions by **95%**.
- Built an event-driven, end-to-end ETL job orchestration backend using **Kafka** for reliable eventing and logging; introduced partitioning/clustering in BigQuery to optimize cost and reduced query spend by **99%**.
- Designed and implemented robust source/destination configuration and SQL templating, enabling teams to onboard new data sources 4x faster and lowering migration errors via validation checks.
- Implemented monitoring, alerting and automated remediation workflows that reduced mean time to resolution (MTTR) from days to hours for critical orchestration failures, improving overall system reliability.
- Owned cross-team integrations (Jira, custom code execution hooks) and drove requirements with product and SRE, improving deployment reliability and support tickets.
- **Technologies:** Python, Kafka, Spring Boot, GCP BigQuery, GCP Cloud Functions, Airflow, TypeScript, React, Jenkins, AI agents

**CAST Software** September 2023 – June 2025

*Junior Full Stack Software Engineer* Bengaluru, India

- Led design and rollout of an enterprise SSO/OAuth2 authentication framework across distributed microservices, improving secure onboarding and reducing authentication incidents by **>80%**.
- Engineered a high-performance reverse proxy and RESTful API gateway backend that reduced end-to-end API latency by **40%**, improving customer experience for enterprise deployments.
- Contributed to the architecture of a distributed job scheduler with retries and circuit-breaker patterns for fault tolerance, increasing background-job throughput and reliability, and raising successful job completion rates by **30–40%**.
- Unified disparate product frontends under a consolidated interface, cutting frontend bundle sizes by **50%+** and improving initial load time and user adoption.
- Implemented API-level authentication and license validation at the gateway to enforce feature-level controls for **100+ enterprise users**.
- Documented container deployment patterns and authored Docker/Kubernetes runbooks to enable secure, self-hosted installations for customers.
- Proactively remediated critical CVEs and hardened images to meet enterprise security requirements for customers including the **US Army**, **US Air Force**, and **Google Cloud**.
- **Technologies:** React, Java, Spring Boot, PostgreSQL, OAuth2, Docker, Kubernetes, Nginx, Kafka

**CAST Software** January 2023 – August 2023

*Software Engineering Intern* Bengaluru, India

- Developed a multi-threaded Java log-parsing pipeline that processed large-scale logs in parallel, reducing analysis time for engineering diagnostics.
- Built a VS Code extension to accelerate developer workflows and standardized onboarding for the engineering team.
- **Technologies:** Spring Boot, TypeScript, React.js, RabbitMQ, Kafka, Jenkins

## TECHNICAL SKILLS

**Languages:** Python, Go, Java, JavaScript, TypeScript, Bash/ZSH, SQL, C++
**Practices:** System Design, Distributed Systems, Event-Driven Architecture, Reliability Engineering, Fault Tolerance, Observability, TDD, Agile
**Distributed Systems & Data:** Kafka, RabbitMQ, Airflow, Postgres, MongoDB
**Backend & APIs:** Spring Boot, Node.js, Microservices, RESTful API design
**Cloud:** AWS, GCP (Cloud Functions, BigQuery)
**Containers & DevOps:** Docker, Kubernetes, CI/CD (Jenkins, GitHub Actions), Terraform (basic)
**Frontend:** React, Next.js, Redux, Tailwind CSS
**Impact:** Focus on measurable outcomes: cost savings, latency reduction, automation that frees developer time

## EDUCATION

**M.S. Ramaiah Institute of Technology** July 2019 – July 2023
*Bachelor of Engineering in Information Science* Bengaluru, India

- CGPA: 8.82/10.0
- Relevant coursework: Data Structures & Algorithms, DBMS, Cloud Computing, Machine Learning