

## PROFESSIONAL SUMMARY

Experienced Software Engineer specializing in **cybersecurity data systems and microservices architecture**. Proven expertise in building **high-throughput data ingestion pipelines**, implementing **Kubernetes-based distributed systems**, and developing **security-focused APIs and services**. Experienced in Python (FastAPI, Django, Flask), message queues (RabbitMQ, AWS SQS/SNS), and cloud-native technologies. Demonstrated ability to **migrate legacy systems to scalable microservices** while ensuring security, compliance, and operational excellence.

## TECHNICAL SKILLS

**Programming Languages:** Python, TypeScript, JavaScript

**Frameworks & Libraries:** Django, FastAPI, Flask, Node.js, Express.js, React.js, Next.js, Vue.js, Tailwind CSS, React Query

**Databases:** PostgreSQL, MongoDB, MySQL, Redis

**Task Queues & Messaging:** Celery, RabbitMQ, AWS SQS, AWS SNS

**DevOps & Cloud:** Docker, Kubernetes, AWS EC2, AWS RDS, AWS Lambda, AWS S3, AWS CloudFront, AWS API Gateway, GitHub Actions

**Tools & Technologies:** Cursor AI, Git, Claude, ChatGPT

## EXPERIENCE

### Software Engineer

01/2024 - present

DNIF HYPERCLOUD | Mumbai, India

#### Microservices Migration & System Architecture

- Implemented **Kubernetes migration** of a distributed **SIEM platform** processing **1.5 TB/day per customer**, implementing microservices architecture with autoscaling Spark and Celery pods using **KEDA**, achieving **40% cost reduction**
- Designed **query segmentation and parallel processing** system using ingestion metadata, improving performance by **3.2x** and reducing latency by **68.75%**

#### Data Ingestion & Processing Pipelines

- Built a high-throughput **log ingestion and transformation pipeline** for the SIEM platform, processing **over 30,000 events/sec** via **RabbitMQ queues**. Developed **100+ connectors** to fetch and normalize logs from diverse sources using **TCP/UDP, REST APIs, syslog**, and other protocols.
- Developed **bulk audit log export service** using Celery and Redis, processing tens of gigabytes with chunked processing and asynchronous **AWS S3 uploads**
- Created Python-based **custom query language parser** for SQL conversion, improving query success rate by **95%**

#### Backend API Development & Security

- Built and maintained **FastAPI-based microservices** integrated with PostgreSQL, Redis, and Celery for scalable security data processing
- Implemented **license-aware task scheduling system** with quota enforcement, Redis pub/sub messaging, and resilient Celery orchestration using **RabbitMQ**
- Deployed **multi-tenant security architecture** ensuring data isolation and compliance across 25+ customers

#### Performance Optimization & Caching

- Implemented **ZFS disk-level caching and Redis metadata caching**, reducing S3 reads by **65%** and database metadata reads by **90%**
- Optimized system reliability with retry mechanisms and stateless worker design for **spot instance fault tolerance**

### Full-Stack Developer

07/2021 - 12/2023

Zilliobit Interactive Private Limited | Mumbai, India

#### Scalable SaaS Platform Development

- Architected and developed **scalable SaaS platform backend** using **Django REST framework** with microservices pattern, serving global user base
- Integrated secure payment processing with **Stripe and PayPal APIs**, implementing proper authentication and transaction security
- Built **Single Sign-On (SSO) system** using **OAuth 2.0 and SAML protocols** for seamless multi-platform authentication

#### Cloud Infrastructure & DevOps

- Designed complete **AWS cloud architecture** using EC2, RDS, Lambda, S3, CloudFront, and SQS with autoscaling, achieving **40% scalability improvement**
- Implemented **containerization with Docker** and **CI/CD pipelines using GitHub Actions**, enabling **5x faster deployments**
- Built **task queuing system with AWS SQS** for reliable background processing and file generation

#### System Optimization & Automation

- Implemented **Redis caching layer** reducing database load by **30%** and improving response times by **20%**
- Automated system maintenance tasks using **Celery task scheduling**, reducing manual intervention by **80%**

## EDUCATION

### Bachelor of Computer Engineering (2017 - 2021)

CGPA

Rizvi College of Engineering, Mumbai

8.6 / 10.0

## PROJECTS

### Cricbuzz Clone

[View Project](#)

08/2024

- Developed **full-stack clone of Cricbuzz** with Node.js, TypeScript, Express, MongoDB, and PostgreSQL on backend.
- Built responsive frontend using React.js, TypeScript, Tailwind CSS, and React Query.
- Designed **scalable APIs** for match stats, user data, and real-time updates.
- Currently building admin dashboard to manage platform operations.