

PROFESSIONAL SUMMARY

Senior Software Engineer with a proven record of building **scalable, performant, and secure systems** across frontend, backend, and cloud infrastructure. Experienced in **leading engineering team** and taking **full ownership of products** from architecture to deployment, with strong system design capabilities for high-throughput platforms processing **TB-scale** data. Passionate about solving high-impact engineering problems and continuously learning emerging technologies. Seeking roles that allow **end-to-end product developmentarchitectural ownership**.

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

- Migrated a distributed SIEM platform ingesting up to **1.5 TB/day per customer** to a **Kubernetes-based shared compute architecture** using Spark and Celery with KEDA, reducing AWS compute costs by **40%**.
- Enhanced query performance by **3.2x** and lowered average latency by **68.75%** using query segmentation and parallel execution strategies.
- Implemented ZFS disk-level caching and Redis-based metadata caching, reducing S3 and PostgreSQL reads by **65%** and DB metadata reads by **90%**.
- Built a **license-aware task scheduler** with query quota enforcement, Redis pub/sub for deferred execution, and Celery + RabbitMQ orchestration.
- Developed a high-throughput log ingestion pipeline handling **30,000+ events/sec** via TCP/UDP and RabbitMQ queues.
- Led a team of **3 engineers** to build a **SOAR** (Security Orchestration, Automation, and Response) platform with two workflow-building modes: a drag-and-drop visual editor using **React and TypeScript**, and a text-based editor built with **FastAPI, Celery**, Redis, and PostgreSQL.
- Designed a **bulk log export service** using Celery and Redis to asynchronously process and upload tens of gigabytes to AWS S3.
- Created a Python-based custom query parser to convert queries to SQL, increasing query success rate by **95%**.
- Built and maintained **FastAPI-based backend services** connected with PostgreSQL, Redis, and Celery for scalable ingestion and querying.
- Developed dynamic data visualizations using React and TypeScript for security analytics dashboards.

Full-Stack Developer

07/2021 - 12/2023

Zilliobit Interactive Private Limited | Mumbai, India

- Designed and developed a **scalable SaaS authoring platform** (https://zeltoauthoring.com) using Django and Vue.js.
- Built a **secure payment system** with Stripe and PayPal integrations, enabling global transactions.
- Implemented **Single Sign-On (SSO)** with **OAuth 2.0 and SAML** between authoring tool and LMS.
- Reduced data storage by **20%** through asset reuse strategy.
- Used Redis-based caching to reduce DB load by **30%** and improve responsiveness by **20%**.
- Deployed infrastructure using Docker and AWS (EC2, RDS, Lambda, S3, CloudFront, SQS) resulting in **40% scalability improvement**.
- Created a CI/CD pipeline using GitHub Actions, enabling **5x faster deployments**.
- Leveraged AWS Lambda for image thumbnail generation, reducing bandwidth by **40%**.
- Automated backend ops like file cleanup and email notifications using Celery, cutting manual effort by **80%**.
- Built an export system using AWS SQS to package and deliver large course assets reliably.

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.