Pratham Kumar

pratham.kumar.jr@gmail.com | +917988468020 | LinkedIn | GitHub | India (IST), Open to Relocate/Remote Work

Summary

Software Engineer with **4 years of experience** (2 years full-time + 2 years internship) building **scalable distributed systems** using **TypeScript**, **Node.js**, **PostgreSQL**, and **AWS**. Delivered **SaaS platforms** in production environments and collaborated with **remote teams** to launch features that reduced processing time by **90%** and onboarding costs by **30%**. Skilled in **developer tooling**, **event-driven architecture**, and **system design**. Looking for **backend or full-stack SDE roles** with global impact.

Work Experience

Devslane | Software Engineer   **May 2023 − Present**

- Architected a **vacation rental property management system** with **multi-channel integrations** (e.g., Airbnb, Vrbo, BookingPal,etc), inventory sync, pricing automation, and tenant access.
- **Containerized applications using Docker** and orchestrated deployments across environments, reducing setup time by 70
- **Enhanced API performance testing using K6**, identifying bottlenecks and **improving throughput by 52%.**
- Developed microservices with Spring Boot for specific modules, ensuring scalability and maintainability.
- Built a **multi-tenant AWS infrastructure** supporting **1M+ monthly transactions**, onboarding 3 clients with **99.9% uptime**.
- Designed **event-driven ingestion pipeline** (Node.js + Redis Streams + BullMQ), reducing data sync from **4 days to 3 hours**.
- Developed a **high-performance Elasticsearch engine**, improving retrieval by **80%** and accuracy by **30%**.
- Designed **dynamic line item billing system** with custom formulas in multiple booking channels.
- Worked and led **teams between time zones** using Slack + Jira; managed **end-to-end feature delivery** in line with stakeholders.
- **Mentored 5 junior engineers**, improving team productivity by **50%** through clean code reviews.

Devslane | SDE Intern   **Aug 2021 − May 2023**

- Developed **scalable REST APIs** using Adonis.js and Redis, increasing system throughput by **75–80%**.
- Integrated **Stripe** to process **$1M+ monthly transactions** with secure billing flows.
- Optimized front-end performance using **React SSR**, reducing load time by **40%** and improving SEO.
- Utilized **Lucid ORM** for structured database migrations and consistency of the model.

Projects

Lesgo (SaaS Platform)   **Jan 2024 − Dec 2024**
Website | iOS | Android

- **Founded and led development** of a loyalty SaaS platform used by **25+ restaurants** and **1,000+ users**.
- Built backend with **TypeScript**, **AdonisJS**, and **AWS** (Lambda, S3, API Gateway) with **99.8% uptime**.
- Optimized infra and cut **AWS costs by 25%** via Serverless framework.
- Participated in **VC pitch meetings** and led **hiring and onboarding of developers**.

Skribble Game (Open Source)   **Link: Live Demo**

- Created **real-time multiplayer drawing game** using WebSocket, Express, and React.
- Implemented **CI/CD using GitHub Actions** to streamline deployment.

Education

GLA University | B.Tech in Computer Science (Data Analytics)   **Jun 2019 − 2023**
GPA: 8.9 / 10.0

Skills

Languages: TypeScript, JavaScript, Node.js, PostgreSQL, C++, Java
Frameworks/Libraries: AdonisJS, React, Redux, Redux-Saga, MobX, BullMQ, Tailwind CSS, Next.js, React Native, Springboot
Cloud/DevOps: AWS Infra, Serverless Framework, GitHub Actions, CI/CD, Lambda, OpenSearch
Other: Redis, Redis Streams, Stripe, Unity, Distributed Systems, API Design, System Design, Observability, kafka, k6, grpc

Achievements

- Secured a **PPO offer** in the second year of university.
- **Google Kickstart:** Rank **1988/7000** (Round E), **2512/10500** (Round D) in 2022.
- **Google HashCode:** All-India Rank **1092** in 2022.