

Karan Pratap Singh

Senior Software Engineer

New Delhi, India | +91 9716051976

contact@karanpratapsingh.com | linkedin.com/karan99 | github.com/karanpratapsingh | karanpratapsingh.com

SKILLS

Programming: TypeScript, JavaScript, Node.js, Golang, React, GraphQL, React Native, Python.

Database: PostgreSQL, Redis, Neo4j, ArangoDB.

DevOps: AWS, GCP, Docker, Kubernetes, Terraform.

Other: NATS, Apache Kafka.

EXPERIENCE

Curebase, Senior Software Engineer | San Francisco, CA, USA

Dec 2020 - Present

- Manage and provision AWS infrastructure as part of EU expansion with GDPR compliance.
- Led initiative for technical debt reduction and codebase migration to TypeScript.
- Spearheaded infrastructure migration to AWS ECS, reducing cost and API latency by 50%.
- Architected isolated branch previews, improving QA and cross-team collaboration.

Smithsonian Institution, Full Stack Engineer | Washington D.C., USA

Apr 2020 - Apr 2021

- Developed a custom 3D digital asset management solution with cloud native architecture.
- Implemented efficient terabyte-scale data ingestion and streaming with Node.js.
- Designed client-side enterprise search solution with React and GraphQL.
- Revised CI/CD strategy and reduced production containers build size by 80%.

Stewards, Software Developer | London, UK

Jul 2019 - Jun 2020

- Implemented event driven food delivery application with React Native.
- Consolidated internal sales and custom B2B integrations with React and Node.js.
- Edge optimized GraphQL API using Google Cloud CDN, increasing KPIs by 20%.

Self Employed, Software Developer | New Delhi, India

Oct 2017 - Apr 2019

- Overhaul and redesign web applications for clients, achieving 60% customer retention.
- Facilitated API and analytics integration, growing reach and sales up to 40%.
- Drove AWS and GCP adoption at startups, minimizing infrastructure costs up to \$20K.

PROJECTS

- HyperTrade - Distributed crypto currency trading bot, passively grows portfolio upto 4% monthly.
- Proximity - Privacy-focused, open-source social media platform with over 10,000 users.
- Full-Stack Starter Kit - Scalable, GraphQL first template used by 1000+ developers.
- KCards - Paperless business cards for easy networking for professionals.

ACHIEVEMENTS

- Publish technical content on Dev.to and YouTube with 250,000+ and 20,000+ views.
- 2500+ open-source contributions; recognized in React Native (v0.60) by Meta.

EDUCATION

SRM University | Delhi NCR, India

2017 - 2021

Bachelors of Technology, Computer Science and Engineering