

Akshay Gupta

Seasoned Full-Stack Engineer with 7+ years of experience in building scalable, high-performance applications in cloud-native environments. Proved expertise in system optimization, backend engineering, cloud services, PostgreSQL, and scalable messaging systems. Skilled in leading cross-functional teams, optimizing performance, reducing technical debt, and delivering AI-powered, user-centric solutions. Passionate about mentoring, DevOps practices, and shipping production-grade software.

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Skills

Technologies: Javascript, Typescript, Python

Databases: PostgreSQL, ElasticSearch, Redis, Firestore, BigQuery

Frameworks: Express.js, Sails.js, Next.js

Frontend: HTML, CSS, React, Redux, SASS, React-Query, Jotai

Messaging: RabbitMQ, Google Pub/Sub, AWS SQS

DevOps: Docker, ArgoCD, Github Actions

Google Cloud: Cloud Storage, CDN, CloudSQL, Functions, Tasks, Scheduler, Cloud Logging

AWS: S3, CloudFront, RDS, Lambda, CloudWatch

Observability: Kibana, NewRelic, Sentry

Integrations: Sendgrid, Postmark, Resend, Twilio, Plivo, Stripe, Zapier

Experience

Senior Staff Engineer, PeopleGrove – Remote, India

Mar 2019 – present

- Designed and developed a RAG Support Chatbot, automating the resolution of recurring client issues to reduce human dependency and improve response efficiency.
- Redesigned and standardized logging mechanisms, eliminating unnecessary log levels, resulting in a 40% reduction in Google Cloud Logging costs.
- Led the technical integration and data migration of the "Student Opportunity Center", ensuring seamless service continuity and a zero-downtime transition from Firestore to PostgreSQL.
- Developed a real-time data synchronization system between BigQuery and Customer.io, which increased marketing campaign effectiveness by 15% and enabled a more personalized user experience.
- Led an initiative to improve legacy REST endpoints by optimizing PostgreSQL queries, caching strategies and asynchronous handling of long-running endpoints using RabbitMQ message queues. This effort reduced API response times from approximately 20 seconds to under 50 milliseconds, significantly improving user experience.
- Led the development of a high-volume newsletter service, using Google Pub/Sub and Sendgrid to reach over 1 million users monthly with personalized content.
- Built a bulk matching tool for mentor-mentee pairings using the methodology of weighted factors, significantly increasing platform engagement, and contributing to a 15% revenue growth.
- Developed a robust feature flag management system, enabling agile feature rollouts, and reducing rollback instances by 90%.
- Led a team of three developers, streamlined the development lifecycle, gathered requirements, and reduced technical debt by 40%.

Assistant System Engineer, Tata Consultancy Services – Hyderabad, India

Sept 2017 – Mar 2019

- Conducted React.js webinars and workshops for over 10 sessions with Learning & Development team of TCS.
- Developed a React web application that consumed data from SAP OData (REST) services, providing critical sales insights, and aiding in strategic sales decision-making for the client, and became the core decision-making tool for the sales team.
- Facilitated seamless access to business intelligency reports by integration of Tableau, Power BI, and SAP BusinessObjects in a React web application, enhancing data-driven decision-making across the organization.

Education

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, BE in Computer Science – Indore, India

2013 – 2017