

Akshay Gupta

Senior Staff Engineer

Seasoned Full-Stack Engineer with 7+ years of experience building scalable, high-performance applications in cloud-native environments. Proven expertise in system optimization, backend engineering, cloud services (GCP, AWS), 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, Resent, Twilio, Plivo, Stripe, Zapier



WORK EXPERIENCE

Senior Staff Engineer PeopleGrove

03/2019 - Present

Remote, India

Tasks/Responsibilities

- 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 50%.
- Led a team of three developers, streamlined the development lifecycle, gathered requirements, and reduced technical debt by 40%.



WORK EXPERIENCE

Assistant System Engineer

Tata Consultancy Services

09/2017 - 03/2019

Hyderabad, India

Tasks/Responsibilities

- 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 intelligence reports by integrating Tableau, Power BI, and SAP BusinessObjects in a React web application, enhancing data-driven decision-making across the organization.



EDUCATION

Bachelor of Engineering, Computer Science

Rajiv Gandhi Proudyogiki Vishwavidyalaya

2013 - 2017

Indore, India