

Bejoy George Mathew

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EXPERIENCE

Senior Software Engineer (SDE 3)

Payments Team

SpotOn

Remote

Jun 2022 - Dec 2023

- Designed and built a fault-tolerant notification service for sending transactional and non-transactional messages capable of handling **millions of requests per day**. Currently used by 3+ projects with medium to high traffic and plans in place to incorporate this service org-wide.
- Laid out the architecture of a loosely-coupled, event-driven architecture using Kafka that powers notification service and a crypto payment service. It is used as a blueprint for other microservices where high write throughput is required.

Lead Engineer

VideoKen

Remote

Aug 2020 - Feb 2022

- Started and led a new product offering Video Search, rolling it out to 5 new clients.
- Identified infrastructure bottlenecks and cut expenses by 500%, saving up to **\$10,000** a month. This required optimization on multiple fronts: less compute intensive processes and database optimizations.
- Improved the throughput of the video events processing by 200% by proposing, implementing and rolling out a batch processing pipeline.

Backend Engineer

Instawork (YC 15)

Bengaluru

Jan 2018 - Jun 2020

- Second backend engineer, built multiple features to scale from **zero to 100,000** monthly active users and helped the team to scale to 50+ engineers, contributing to hiring and engineering best practices.
- Led a team of three engineers to build internal tools in close collaboration with the operations team. The entire operations team (size 10) used it for worker onboarding contributing 30% increase in worker quality, a key OKR metric.
- Reduced backend tests run time by 60%, bringing it down to 4 mins, thus improving CI/CD pipeline.
- Migrated entire backend monolith from python 2 to python 3.
- Mentorship: coached several interns who became full-time engineers at the company

Fullstack Engineer

Gemini Solutions

Gurugram

Jun 2016 - Jan 2018

- Developed an ecom pharmacy webapp Pocketpills and delivered the MVP in under 3 months.
- Oversaw the three-person frontend team and collaborated on API development and deployments.
- Found and fixed a crucial bug that a prospective customer was **experiencing for over 6 months**, enabling the company to get a multi-year project that added significantly to the net revenue.

SKILLS

- Languages: Python, Elixir, SQL
- Technologies: FastAPI, Django, Postgres, MySQL, Kafka, Redis, AWS, Docker, Terraform, Kubernetes
- Others: API design, distributed systems, relational databases, unit, integration & E2E testing,

EDUCATION

- B.E. in Electronics and Communication**, Technocrats Institute of Technology, Bhopal **2012 - 2016**