

Jaykumar Vaghani

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Surat, India

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Tech Lead | Solutions Architect | Computer Science Professional

ABOUT ME

I enjoy learning and working on various technologies of computer science, solving problems and adding value to the product. I am excellent in working with others to achieve a certain objective on time and with excellence.

EXPERIENCE

Railofy, Mumbai — Tech Lead

Apr 2024 - PRESENT

Contributed in all aspects of software development while leading and mentoring juniors.

Railofy, Mumbai — Senior Backend Engineer

Mar 2021 - Apr 2024

Worked on multiple projects, developed multiple microservices from scratch, refactored and optimized existing services, developed foundation framework, Improved and optimized cloud infrastructure.

Kabra Logitech — Fullstack Engineer

Apr 2019 - Feb 2021

Designed, developed, deployed and maintained cloud based ERP application for the logistics company.

Kabra Logitech — Javascript Intern

Feb 2019 - Apr 2019

Learned MERN stack development and developed multiple modules of the cloud ERP.

Tata Consultancy Services — Remote Intern

Jun 2018 - Aug 2018

Learned Drupal PHP framework and created basic poc project for content management.

CERTIFICATIONS & ACHIEVEMENTS

AWS Certified Cloud Practitioner (October 30, 2022) [Link](#)

Graduate Aptitude Test in Engineering-2019 .

All India Rank- 1046 out of approx 130,000 candidates.

SKILLS

- NodeJS
- AWS
- Docker
- Mysql
- MongoDB
- Redis
- TypeScript
- Kafka
- ElasticSearch
- Grafana
- Git
- Python3
- Scraping
- Firebase
- ReactJS
- Django

LANGUAGES

- English
- Hindi
- Gujarati

EDUCATION

BVM Engineering College, Anand — B.Tech (CSE)

July-2015 - May-2019

PROJECTS

Railofy — Train ticket booking, Train Database, Travel Protect APIS and other utilities.

- o Self managed ElasticSearch, Redis, Gitlab, Grafana, PhpMyAdmin, TinyProxy, Wireguard.
- o Deployed and maintained cloud infrastructure on AWS using ECS, S3, RDS, EC2, CloudWatch, Lambda, SQS, ElasticSearch, Docker, MSK.
- o Developed train ticket booking platform, whatsapp bot , TrainDatabase, web scrapers, RailInfo apis and data collection system.
- o Integrated multiple payment gateway and third party apis.
- o Designed and developed highly scalable Travel Protect APIS and cloud infra, to be integrated by larger platforms with high traffic. Load tested with load 10x of expected 500RPM.
- o log collection, monitoring and alert system using ElasticSearch, metricbeat, grafana and cloudwatch.
- o Refactored cloud architecture and configurations to reduce cost, increase security, availability, resilience and performance.
- o Refactored services to make it secure, efficient, faster, scalable and easy to maintain.
- o Developed and enhanced npm package that work as foundation for all other microservice with common utility functions, hosted on self managed gitlab.

TapTap— Logistics and supply chain ERP.

- o Used ReactJS, MongoDB, ExpressJS, NodeJS, Django, Redis, MySQL and SocketIO.
- o Developed Logistics Management System in MERN Stack and Django.
- o Integrated Soap apis of FedEx Corporation's shipment creation and tracking in ERP.
- o Developed rate limiter middleware for node server to prevent DoS (denial of service) attacks.
- o Developed a fully customized Role based access management system.

- o Developed Interservice Transactional mechanism.
- o Wrote cron jobs for generating financial Reports.
- o Developed a framework for franchise management.
- o Wrote Test cases for Django Service.
- o Developed React components to manage Company, branches, users in ReactJs.
- o Wrote and optimized Aggregation pipelines to extract data from NoSQL.
- o Deployed and maintained cloud infrastructure on AWS using Elastic Beanstalks, S3, RDS, Route53, CloudWatch, Lambda, ELB and CloudFront.
- o Wrote shell scripts that use cli to make deployment tasks easier.

Zomo.fit

- o Used an open source stack of jitsi meet and integrated that in a video conferencing application for gym trainers.
- o Customized jitsi meet sdk as per clients requirement.
- o Developed frontend in React Js and webflow and integrated customized jitsi meet SDK.
- o Used Firebase for authentication and data storage.
- o Also integrated spotify apis for demo of music share feature.

DeltaVRobotics- Simulation tech from Space Startup .

- o Developed UI in ReactJS using Redux state management.
- o Added custom authentication and forgot password functionalities.
- o Developed and deployed firebase functions.

UDAAN-18.

- o Developed an iOS Application for a technical festival in college.
- o Technologies used are Swift, Firebase and Apple Push Notifications.