JACOB ANTONY   FULL STACK DEVELOPER

Self-reliant MERN + Python Engineer with 6+ years of hands-on experience in fullstack development with a willingness to learn and master Scrum & Agile. I have worked in the domains of HR Tech, Infrastructure distribution, Title Insurance, and social networking.

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KEY SKILLS

Back End

- NodeJS, Express, Fastify, Objection, Mongoose
- Python 3.x, Django, DRF, FastAPI, Flask, Zappa
- Golang, GorillaMux

Databases & Memory Stores

- SQL, PostgreSQL, SQLite3, MySQL
- NoSQL, DynamoDB, MongoDB, Atlas, Realm
- Redis, Kafka, ElasticSearch

DevOps

- Terraform, Jenkins, Nginx
- Git, GitHub actions, GitLab CI, Bitbucket CI
- AWS lambda, S3, ECS, EC2, RDS, ALB, API-GW, SQS, SNS, CloudFront, CloudMap

Front End

- React, Angular 2+,
- CSS3, Tailwind, GraphQL
- HTML5, JSON, EJS, RESTful API

SDLC

- 12 Factor App, SOLID principles, TDD, BDD
- Agile, Scrum, Jira, Confluence, Basecamp, CloudWatch, CloudTrail, Google Analytics

BI and Data Science

- AWS ML, rekognition, personalize, textract, comprehend, pandas, NumPy

WORK HISTORY

Senior Full Stack Engineer   10/2023 – Present
Stewart Title - stewart.com   Remote, IN

NodeJS, React, fastify, langchain, AWS lambda, Kubernetes, EKS

- Led the development of core services including duplication system and docx templating engines that increased end-user productivity by 200%
- Implemented functionalities like azure b2c sign-ins, cached front pages, and distributed logging that reduced developer debugging time by 50%
- Streamlined cloud deployment and repo workflows, performed code reviews, system designs, and refactoring to revamp and meet all NFRs before product launch.

Full Stack Engineer   07/2019 – 10/2023
SuperSourcing - Products - supersourcing.com   Remote, IN

- Designed and led the engineering of 4 SaaS products (MEAN/PFAP Stack, 10000 MAU) based on event-driven microservices that increased the core business's resource pool by 800%.
- Implemented internal libraries, CI/CD, and captured development best practices in a team of 15 that led to 2x developer productivity and reduced TTM (time-to-market) by 50%.
- Developed and shipped new ML services for recommendation engine, and document parsing that enabled faster user discovery and increased conversions by 150%

INQ Edge AI – platform.inq.inc

Python, NodeJS, Django, AWS lambda, ECS, CloudFront, Kafka

- Handled system architecture and backend development of a high-profile PaaS solution for AI video analytics. As a result, 20+ bug-free releases have been deployed just in time.
- It features automated infrastructure management, cross-platform AI models' integrations, and seamless autoscaling.

EatOS – eatos.com
NodeJS, Python, Angular 8, Mongoose, Axios, Kibana
- Implemented new endpoints for the PoS system and API gateways that coordinate over 7 microservices of a restaurant management service.
- Integrated 3rd party inventory management and analytics tools while maintaining backward compatibility with the legacy codebase.

Back End Engineer   12/2018 – 06/2019
Chapter Solutions   Indore, MP

- Documenting solution architecture and handling full stack programming tasks for an educational video streaming service.
- Automated cloud provisioning and CI/CD pipelines for the PWA resulting in 70% cost reduction in infrastructure hosting.

Full Stack Developer - Intern   06/2017 – 05/2018
Café Grill   Indore, MP

- Developing the back-end infrastructure for a cafe management & logistics application.
- Collaborate with front-end and design team to build the user-facing web app.

SIDE PROJECTS

Frenzi – Streaming Search Guide
Back End Developer/Data Scientist   www.myfrenzi.com

- Developed python web crawlers and integrated Google CSE for maintaining real-time availability of movie titles across 60+ streaming platforms.
- Built an HRNN-based recommendation engine using AWS Personalize resulting in 2x improvement in user engagement.
- Capturing modular development practices to reduce TTM (time-to-market) by 50% by ensuring code maintainability.

Lighthouse Arabia
NodeJS Developer   www.lighthousearabia.com

- Design and implementation of a GRPC microservice for appointment scheduling and web-socket based real-time availability management.

separationJS
Developer & Maintainer   npm/separation

- NPM package based on the haversine formula to calculate the distance between 2 coordinates or check whether 2 coordinates are within a given range.

EDUCATION

- Master of Science (MSc), LJMU, Liverpool, 2024 - 2026
- Bachelor of Engineering (BE - First Division), AITR, Indore, 2014 - 2018.
- Higher Secondary Schooling, St. Paul H.S. School, Indore

PUBLICATIONS

- A Survey on the applications of blockchain beyond Bitcoin
  26/06/2019 – Jacob Antony, Asif Ali – IJSRD (Volume 7, Issue 4)