Aby M Joseph

✉ abymjoseph18@gmail.com   📞 +919020923455

📍 Kerala, India   in https://in.linkedin.com/in/abymjoseph

Education

B.Tech(Honours) - Bachelor of Technology, Computer Science and Engineering   2016/07 – 2020/08
Kottayam, India

Amal Jyothi College of Engineering

Work Experience

Associate III Product Engineer   2022/01 – present
Strollby, UST   Trivandrum, Kerala, India

- Held the position of Backend Engineering Lead overseeing two distinct business verticals.

- Designed, developed, and deployed GraphQL APIs using Python for a travel management product.

- Implemented a microservice-based architecture leveraging Flask, Falcon, and FastAPI frameworks.

- Deployed and managed cloud-based infrastructure using Google Cloud Platform (GCP) services, including Cloud Tasks, GKE, and Cloud Functions.

- Utilized Docker, Kubernetes, Bitbucket Pipelines, and Terraform to streamline application deployment and ensure scalability.

- Monitored and tracked project progress, bugs, and fixes with Jira and Sentry.

- Conducted thorough code reviews, enforcing best practices in Python development to maintain code quality and efficiency.

- Optimized MongoDB queries and developed complex aggregation pipelines for enhanced data performance.

- Mentored junior developers, guiding them in product architecture design and fostering technical skill development.

- Collaborated cross-functionally with Product Managers, frontend developers, business teams, and technical support, streamlining the end-to-end development lifecycle.

Software Engineer - TCS Rapid Labs   2020/09 – 2022/01

Tata Consultancy Services   Kochi, Kerala, India

- Solved business problems, adopting a unique rapid methodology that enables the end-to-end lifecycle of solution prototyping to move faster from concept to design and development.

- Secondary Lead in building POCs and MVPs from requirement gathering to delivery for both existing and new clients

- Translate business requirements into technical solutions.

- Technical Mentor for two Rapid Lab teams across geography and business units for their use cases in Rapid Cohort during Lab expansion

- Evaluated and interviewed 10+ Hackathon teams for TCS Corporate Rapid Labs

- Designed and facilitated 2-day SME connect sessions on Python, AI & Cloud for teams in various business units.

SDE Intern   2017/07 – 2017/10

UST Global   Trivandrum, Kerala, India

- Developed a Traffic Violation Monitoring application.

- Conducted research on Artificial intelligence & Machine learning and actively participated in brainstorming sessions.

Skills

Technical Skills

Python, GraphQL, Fast API, Falcon, Flask, REST APIs, MongoDB, CI/CD, Docker, Kubernetes, Bitbucket, Apollo Federation, Jira, Pytest, Bitbucket pipelines, Pycharm.

Additional Skills

Product Management, Process Mapping, User Stories, Technical Documentation, Quality Assurance, Agile, Scrum, Software Development Life Cycle, Jira

Acheivements

Conference Speaker

Invited to speak at various Python conferences including EuroPython, Pycon India, Pycascades Vancouver, Pycon Italy, Conf42 London & Pycon Thailand.

Community Activities

Co-Founder & Organiser at Trivandrum Python Community