Aven Mathias

Software Engineer

PROFESSIONAL EXPERIENCE

Software Engineer (SDE-2)   Apr '22 - Present

Bombay Softwares   Mumbai, IN

- Successfully bootstrapped and led the implementation of an innovative ecommerce product, utilizing **Amazon Seller Partner API's, Amazon Advertising API's** and **Shopify API's.**
- Implemented a robust backend infrastructure using **Flask**, enhancing overall system reliability and performance.
- Utilized **AWS services** and employed **Terraform** for infrastructure as code, resulting in a scalable and efficient cloud-based architecture.
- Implemented containerized applications using **Docker**, orchestrated and managed **containers** with **ECS (Amazon Elastic Container Service)**, and maintained **container images** with **ECR (Elastic Container Registry).**
- Took a **hands-on approach** throughout the **project lifecycle**, from conceptualization to execution, and proactively addressed challenges to ensure project success.
- Collaborated with **cross-functional teams, vendors** and **stakeholders** to seamlessly integrate Amazon and Shopify API's into the user dashboard, optimizing product listings and enhancing the overall user experience, along with admin panel.
- Created **robust** & **scalable** products which is reliable with exceptional performance.
- Converting websites to **Progressive Web Apps** that use service workers, manifests, and other web-platform features in combination with progressive enhancement to give users an experience with **native apps**.
- Created module for making **dynamic URL'S** and **custom pages** with **WYSIWYG editor**.

Full Stack Developer   Jul '20 - Mar '22

i-XL Technologies   Mumbai, IN

- **Designing, developing** & **installing software solutions** with high-quality software design and architecture with optimal output.
- **Revised, modularized** and **updated old code** bases to modern development standards, reducing operating costs and improving functionality.
- Constructed tools and **5+ applications** by producing **clean & efficient code** and **supervising code testing & debugging.**
- Collaborated with project managers to select ambitious and realistic coding milestones on **pre-release software project development**.
- Achieved a milestone for **multi-tenant database** system for different clients for a single project.
- Integrated multi **payment gateways** like **RazorPay, CC Avenue, Bill desk, Setu upi**.
- Created **Rest API's** for mobile applications.

PHP Developer   Jul '19 - Jun '20

Version Next Technologies Pvt Ltd   Mumbai, IN

- Designed and implemented PHP web application, **streamlined high-server traffic** resource configuration and allocation.
- Developed and maintained an **eye care system** for Ophthalmologists and patients to keep track of their health and reports both on a moment to moment basis and over time.
- Made technical specifications and **coding documentations** for new projects, along with **unit testing**.
- Worked with **API's** for mobile application on core PHP.

EDUCATION

M.S. in Computer Science   Jun '22 - Aug '23

Liverpool John Moores University   Mumbai, IN

PG Diploma in Software Development   Mar '21 - Jul '22

International Institute of InformationTechnology Bangalore   Mumbai, IN

CONTACT

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SUMMARY

I'm a software developer with a focus on creating modern web applications that meet diverse needs. My approach is all about understanding the unique goals of each project, planning carefully and delivering tailored solutions that align with business objectives.

I thrive on finding the best ways to bring ideas to development and transform them into effective solutions that deliver results.

TECHNICAL SKILLS

Programming Languages: Python, Flask, Django, React, Next.js, PHP, Laravel

Web Design: HTML5, CSS, JavaScript, jQuery

Database: MySQL, PostgreSQL

Web/Application Servers: Linux, IIS

Server Tools: Git, Docker

Infrastructure as Code (IaC): Terraform

Cloud Computing: AWS (Amazon Web Services): EC2, S3, EMR, CloudWatch, ECS, ECR, Cognito, AWS Amplify

Big Data Ecosystem: Familiar with Hadoop, Sqoop, Flume, HBase, Hive, Spark, Redshift

Key Skills

- **Full-Stack Development**
- **Software Development & Testing**
- **API Development & Integration**
- **Scalable & Distributed Computing**
- **Troubleshooting & Debugging**
- **Code Review & Refactoring**
- **Cross-Vertical Team Leadership**
- **Agile Development & Project Management**

CERTIFICATIONS

- **PG Diploma in Software Development (Big Data) | July 2022** | Credential Link

VOLUNTEER EXPERIENCE

- Built a Netflix clone using React (Custom Hooks, Context, Portals),

B.S. in Information Technology   Jun '15 - May '18

University of Mumbai   Mumbai, IN

KEY DEVELOPMENT PROJECTS

- **Ecommpulse** | ecommpulse.com | A premier suite of tools for e-commerce marketplaces.
- **Servify** | servify.in | A premier suite of tools for e-commerce marketplaces.
- **Planet Superheroes** | planetsuperheroes.com | An omnichannel brand in clothing and accessories inspired by popular superhero franchises.
- **Pixel Eye Care** | pixeleyecare.com | An eye care project for ophthalmologists, offering personalized eye care services.
- **Go-Collect** | credility.in | A mobile app-based solution & CMS for financial lending institutions, automating collections.
- **Motilal Oswal HF** | motilaloswalhf.com | A housing finance website managing loans for home construction, plot purchases, and commercial properties.
- **Aadhar Housing** | aadharhousing.com | A housing finance platform catering to low-income sections of society.
- **News Media Sites** | goa.news | Developed news media portals for Maharashtra, Ahmedabad, and Goa.

Firebase, Compound & Styled Components - https://github.com/Aven19/cornflex

- A certificate of achievement for high productivity and performance - https://www.linkedin.com/posts/aven-mathias_anyone-can-do-my-job-but-no-one-can-be-activity-6866369156002922496-rTTA/.

ADDITIONAL INFORMATION

- **Languages:** English, Konkani, Hindi, Marathi.