Aman Desai

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LinkedIn - Github - StackOverflow

WORK EXPERIENCE

ENFUSION   Bangalore, KA
Sr. Software Engineer   Jan 2022 – Present

- Working on Enfusion's core **Reporting Engine** and Portfolio Management System.
- Integrated **Keycloak as a global auth provider** to existing Spring projects and other web applications.
- Lead an initiative of **setting up benchmarking to reports** which helped **identify costly code changes** before they reached production. Service now serves **real-time benchmarks** and is integrated into product-support workflows.
- Migrated single instance **MySQL (12TB host, 198k writes/s, 3M reads/sec) to master-slave cluster (auto-scaling read replicas)** to increase read performance and improve latency.
- Lean an initiative of **documenting internal workings** of how we create custom columns, decreasing onboarding time of new developers by 50%.
- Automated client onboarding process, which used to take **14 - 16 hrs to 4 - 5 min.**

Tech: **Java, NodeJs, Jenkins, Fitnesse, Spring Boot, Keycloak (OAuth), MySQL, Kubernetes, Nashorn JS Engine**

BATTLEBRAINS (Backed by Polygon)   Singapore (Remote)
Co-founder / CTO   Aug 2021 – Feb 2022

- Built a platform for people to test various protocols in the real world without knowing that they are running a simulator under the hood.
- Lead development of the project - **team of 8 developers**.
- Received **220k$ of cash grants from Aave, Osmosis and Polygon!**
- **Forked ETH Mainnet**, enabling users to simulate transactions without disturbing the real world chain.
- Scaled the product by allocating a docker container to each user with a personal fork, managed in a **Kubernetes cluster.**

Tech: **Vue, Nuxt, NodeJs, NestJs, Hardhat, Ethereum Chain, Amazon EKS, Redis**

TECHNICAL SKILLS

Java, Nuxt, NestJs, Python, Flask, Node.js, React, AWS, Parallel Computing, Java Concurrency, DynamoDB, Tailwind, Docker, Web3, Hardhat, Ethereum Chain

PROJECTS

PROTOWALLET (link)
- GPT-powered, **open-source expense tracker**, revolutionizing offline financial management.
- Leading a community of developers, deciding roadmaps, creating releases.
- Tech: **LokiJs, Monorepo, Lerna, React**

COMPUTE SHARING MARKETPLACE
- A **distributed platform to run map-reduce clusters dynamically** on people's idle devices.
- A platform using docker under the hood to run and orchestrate tasks.
- Tech: **Docker, Electronjs, NuxtJS, Flask**

CERTIFICATIONS

- **Linux Web server High-Availability clustering** Built Master-Backup servers with centralized storage including leader election algorithm for fault tolerance. (certification)
- **AWS Fundamentals**: Building Serverless Applications Passed Assessments with a grade of 97.8% (certification)
- **Parallel Programming in Java** Passed Assessments with a grade of 88.00%

EDUCATION

K. J. Somaiya College Of Engineering, Vidyavihar   Mumbai, MH
B. Tech, Computer Science.   Aug 2022
Relevant Coursework: **Compilers, Operating System, OOP, DBMS, Computer Networks**