Aman Desai
Distributed Systems Enthusiast

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EDUCATION

B.Tech.
K. J. Somaiya College of Engineering
08/2018 - 07/2022   *8.2 GPA*

WORK EXPERIENCE

Software Engineer - Analyst
Enfusion, Inc.
01/2022 - Present
Achievements/Tasks

- Working on Enfusion's core Portfolio Management System and Reporting Engine.
- **Automated client onboarding process** which used to take 14-16hrs to 4-5mins.
- Simplified customer experience by setting up well defined **workflows for investment lifecycle**.
- Tech: **Java, Spring, MySQL, Redis, Jenkins**

Software Engineering Intern
Smollan India
09/2021 - 10/2021
Client: **Google**, *India.*
Achievements/Tasks

- Worked on internal tools to **reverse engineer consumer brand journeys**. It collects and processes publicly available digital footprints to **generate real time insights** into the consumer journey.
- Moving **current codebase to Google Cloud** including scheduling and ensuring proper delivery.
- Tech: **Flask, MySQL, NLTk, NumPy**
- Cloud: **Google Cloud Run**

Contact : Aashish Mittal - aashish.mittal@google.com

Development Intern
Milkie Way, Inc.
04/2020 - 05/2020
Achievements/Tasks

- Integrated **data pipelines** to pump in data.
- Developed a customized **scalable** framework for **web scraping** which made **indexing** websites faster than ever.
- Enabled **webhook architecture** to avoid **polling.**
- Other Responsibilities Include - Code Refactoring, Ensure Proper Scraping, etc.
- Tech: **Python, Flask, NodeJS, Cheerio**
- Cloud: **Google Cloud Functions, Firebase**

Contact : Sudeep Chauhan - sudcha@tomilkieway.com

ORGANIZATIONS

Computer Society of India - KJSCE Chapter
(01/2019 - 05/2019)
FE-Representative

SKILLS

`Java` `Python` `Flask` `MongoDB`
`Node.js` `AWS` `Parallel Computing`
`Java Concurrency` `NuxtJS` `DynamoDB`
`Tailwind` `Docker` `Web3` `Hardhat`
`Ethereum Chain`

PERSONAL PROJECTS

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

Battlebrains - Web3 Academy With DeFi Simulations ⬈
- Lead development of full web3 academy - team of **6-8 developers** - **300+ members in community** during 1st week of launch
- **Forked ETH Mainnet**, enabling users to simulate transactions without disturbing real world chain.
- Scaled the product by **allocating a docker container** to each user with personal fork, managed by **creating Kubernetes cluster**.
- Tech: **Node, VueJS, Hardhat, Solidity, Docker**

Enigma - 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**

Tracer
- End-to-End **URL shortening service**, providing **smart analytics** for audience.
- 60 daily active users, 500 registrations, 300 daily hits on tracer shortened links. - *(1st month)*
- Built on **microservice architecture**, deployed on **AWS**. (Lambda, API Gateway, Route53, S3)
- Tech: **Flask, Nuxt.js, BulmaCSS, DynamoDB**

CERTIFICATES

Linux Web server High-Availability clustering. ⬈
*Built **Master-Backup servers** with **centralised storage** including **leader election algorithm** for fault tolerance.*

AWS Fundamentals: Building Serverless Applications ⬈
Passed Assessments with a grade of 97.8%

Parallel Programming in Java
Passed Assessments with a grade of 88.00%

INTERESTS

`Mathematics` `Computer Networks`
`System Design` `Distributed Systems`