

Shaurya Agarwal

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EXPERIENCE

Tata 1mg

Delhi, India

Software Development Engineer

Jul. 2022 – Present

- Migrated existing microservice owning all aspects such as **HLD, LLD, development** and **testing** making the service **10x more scalable**
- Independently rewrote and refactored existing backend framework for compatibility and decoupling dependencies
- Setup **CI/CD Pipeline** using devtron to remove any manual intervention and improve deployment time
- Independently drove end-to-end development and integration of in-house built code analysis tool for ensuring code quality, security and generating relevant reports

Technology Intern

Feb. 2022 – Jul. 2022

- Developed APIs using Sanic framework and MongoDB
- Designed and developed a test case management tool to replace the existing third-party tool in use
- Independently developed an automation testing architecture for API flow testing reducing manual testing time by 50%

TasteBuds

Delhi, India

Backend Engineer

Jan. 2021 – Feb. 2022

- Developed and maintained fault-tolerant microservice backend architecture using Node.js and PostgreSQL
- Set up **CI/CD Pipelines** using CodeDeploy and Github Actions to AWS EC2
- Created Blogs site for TasteBuds using Gatsby.js

Blackbeard Technologies Pvt Ltd

Delhi, India

Co-founder & Chief Engineering Officer

Aug. 2020 – Nov. 2021

- Co-founded a company to create a device to predict sleep quality using a contact-less methods
- Led a team of 5 interns and assisted in IoT and Mobile Application Development
- Developed, deployed and maintained microservice backend architecture using Flask and PostgreSQL
- Developed a python library to manage our daily tasks, like data processing, visualization and ensuring quality using custom metrics

Sheeko (RMJ Technologies Pvt Ltd)

Delhi, India

Backend Development Intern

Jun. 2021 – Jul. 2021

- Analysed existing data to provide insights about the users
- Repaired and upgraded existing Django based backend
- Improved Elasticsearch performance for the application by almost 2x

PROJECTS

Distributed File System for EHR | Golang, gRPC

- Developed a distributed file system for securely storing files on a P2P network using Golang and gRPC

Covid Vaccine Notifier | Golang, REST API, PostgreSQL, AWS EC2

- Developed a REST API using Golang and PostgreSQL
- The API notifies users about the availability of Covid Vaccine in their preferred location
- Deployed the backend API on AWS EC2 and the frontend on vercel

Anon | Blockchain, Solidity, Ethereum, React.js, Web3.js

- Developed an online reporting platform that ensures the anonymity and legitimacy of the report by leveraging Blockchain technology
- Implemented the frontend for the application using React.js and Web3.js
- Won **MATIC Track Prize** at Hack4She 2020 organized by GirlScript Patiala and GirlUp TIET

Webathon-Backend | Django, REST API, PostgreSQL, Heroku

- Developed a REST API to help organize online hackathons and events using Django Rest Framework and PostgreSQL
- Implemented the ability to signup, form teams using a special team code and create submissions
- Implemented an admin panel for organizers to take a look at the participants and their submissions

TECHNICAL SKILLS

Domains: Fullstack Development, Blockchain, DevOps, Machine Learning
Languages: Javascript, Python, Golang, Java, Solidity, C/C++, SQL (Postgres), HTML/CSS
Frameworks: Django, Node.js, Flask, Rails, React.js, Angular
Developer Tools: Git, Docker, Google Cloud Platform, Amazon Web Services, Kubernetes

EDUCATION

Guru Gobind Singh Indraprastha University Delhi, India
Bachelor of Technology in Computer Science Engineering *Aug. 2018 – Aug. 2022*

- Current GPA: 8.63/10

Kulachi Hansraj Model School Delhi, India
XII (Senior Secondary), Science *Mar 2017 – Mar 2018*

- Percentage: 94.4

VOLUNTEER

Mentor @ GirlScript Summer of Code'21 Mar. 2021 – May 2021
GirlScript *Delhi, India*

- Managed projects under GirlScript Summer of Code'21
- Assisted and guided students in implementing new features for the applications
- Reviewed and merged pull requests made by students

Web Head Jun. 2019 – Aug. 2021
Developer Students Club, BVP *Delhi, India*

- Designed as well as developed the DSC BVP Website
- Developed the backend for the website for one of the events organised by DSC, BVP
- Organized hands-on workshop on *git* and other developer tools as a speaker and other various events about web development

CERTIFICATIONS

Machine Learning with Tensorflow on GCP | *Coursera* Jan. 2019 - Feb. 2019
Data Science Master Course | *Coding Blocks* May 2020 - Nov. 2020
Amazon Web Services Specialization | *Coursera* Jun. 2020 - Jul. 2020