

Shaurya Agarwal

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EXPERIENCE

Tata 1mg

Delhi, India

Software Development Engineer

Jul. 2022 – Present

- **Mentored** and **supervised** two interns, providing guidance in **python-backend** development, contributing to their professional development and project success
- Migrated existing Notification System microservices owning all aspects such as **HLD, LLD, development** and **testing** making the service **10x more scalable**
- Independently **owned critical flows** during **solutioning** and **development** streamlining integration of finance reporting and **reducing error rates** by **50%**
- Eliminated manual deployment steps by implementing a **CI/CD pipeline** with Devtron, reducing deployment time by **80%**
- Independently drove end-to-end development and integration of in-house built code analysis tool boosting **code quality** by **30%**, enhancing **security measures**, and automating **report generation**

Technology Intern

Feb. 2022 – Jul. 2022

- Developed APIs using Sanic framework and MongoDB
- 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 a fault-tolerant microservices backend using Node.js and PostgreSQL, achieving **99% uptime**
- Set up **CI/CD Pipelines** using CodeDeploy and Github Actions to AWS EC2
- Developed a blogging site for TasteBuds using Gatsby.js, increasing **user engagement** by **30%**

Blackbeard Technologies Pvt Ltd

Delhi, India

Co-founder & Chief Engineering Officer

Aug. 2020 – Nov. 2021

- Cofounded an organisation 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

- Analyzed existing data to deliver actionable insights on user behavior, resulting in a **12% increase** in **conversion rates**
- Overhauled and upgraded an existing Django-based backend system, enhancing **system performance** by **40%**
- 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 an API that notifies users about the availability of Covid vaccines in their preferred location, **enabling timely access** to vaccination appointments and increasing vaccination rates
- Deployed the backend API on AWS EC2 and the frontend on vercel

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

- Engineered a secure online reporting platform using Blockchain technology, ensuring **100% anonymity** and legitimacy of reports; enhanced transparency and trust
- 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

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

Bachelor of Technology in Computer Science Engineering

- Current GPA: 8.63/10

Delhi, India

Aug. 2018 – Aug. 2022