Sohan Bandary

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Education

Indian Institute of Information Technology, Gwalior   **Dec 2020 – Expected May 2025**
Bachelors of Technology (IT) and Masters of Business Administration   *Madhya Pradesh, India*

Experience

Software Developer, Freelance   **May 2023 – June 2023**
Consultont | *Homepage*   *Delhi, India; Remote*
- Seamlessly integrated **Razorpay** for facilitiating purchase of services and triggering automated emails for invoices.
- Deployed server on **EC2 instance**, serving upto **10K requests** per minute using **NGINX** load balancer.
- Minimized database queries by caching frequently accessed data in **Redis database**, resulting in significant improvement of up to **40% in query response time**.

SDE Intern   **Sept 2022 – April 2023**
Techforce.ai | *Homepage* | *IT Solutions*   *Hyderabad, India; Remote*
- Enhanced React **folder navigation** for **Accenture Widget Application** cutting down redundant API calls by **1.5X**
- Troubleshooted corrupt PDF downloads which impacted **300+ files** using **pdf-flatten** for **Inland Real Estate**
- Streamlined the conversion, merging and downloading **PDF files** using **jspdf** and **pdf-merger-js** resulting in 38% increase in overall efficiency

Full Stack Developer Intern   **Feb 2022 – Aug 2022**
Craftnotion | *Homepage*   *Hyderabad, India; Remote*
- Developed an **extension server** that seamlessly integrates with the pre-existing **Rehive** platform, allowing for the systematic collection of miscellaneous details from **Admin API**.
- Created a highly-functional REST API leveraging **AdonisJs and MySQL**, facilitating survey administration by the ground team for Merchants and Drivers, accommodating a substantial user base exceeding **10, 000 users**.

Technical Skills

Languages: JavaScript · TypeScript · HTML/CSS · Python · C/C++
Developer Tools: Linux · Git · GitHub · Docker · NGINX · AWS EC2 · Lambda
Frameworks | Libraries: NodeJS · AdonisJS · ExpressJS · ReactJS · ReduxJS · NextJS · GraphQL · PostgreSQL · MongoDB · MySQL · Material-UI

Projects

Remote-Code-Executor | *AWS Lambda, AWS API Gateway, Docker, Next.js*   **Jan 2023**
- Developed Docker-based sandbox to run code in an isolated and secured environment. It supports languages like C, C++, Python, Java & JavaScript.
- Application is made infinitely scalable by utilizing the concept of server-less architecture, which is implemented with the help of the Serverless Framework and AWS Lambda Functions.
- Docker was used to containerize the application which contains all the required dependencies and that image is utilized for AWS Lambda functions.

Quadratic Crowd Funding | *Solidity, Truffle, React.js*   **Jan 2022**
- Developed a decentralized crowdfunding platform in the Decentralized Finance (DeFi) space built on Ethereum
- Implemented the **Quadratic Finance Algorithm** to automate crowdfunding campaign matching with corresponding sponsor funds, reducing manual effort by 75%.

Achievements / Positions of Responsibility

- **Cloud Computing** head at **GDSC-IIITM** (Google Developer Student Clubs) Sept 2022 - Present
- Facilitated a 2 days workshop on **Git & GitHub** for **150+ students** at **ABV-IIITM** - March, 2022
- Top open source contributor in **git-init-foss** conducted by institute's technical forum **AASF** - Oct, 2021
- Secured **1st position** in **Webkriti** conducted **AASF** - July, 2021