Anish Aggarwal

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EXPERIENCE

Amazon

Incoming Software Developer Intern   *Dec 2021 - May 2022*

LinkedIn

Software Developer Intern   *May 2021 - Aug 2021*

- Worked on the login team. Dealt with different member authentication flows, cache, cookie validation, and renewal.
- Worked with cryptographic asymmetric and symmetric encryption involving **ECDSA**, **RSA**, **AES** in **C++** and **Java**.
- Conducted benchmark evaluation over the **Apache Traffic Server** to compare performance results of a standalone executable under different parameters and conditions.
- Reduced the signing time by **75%**, owned the project end to end, and managed to ramp the code to production.

Fiverr   *https://www.fiverr.com/anishaggarwa259*

AWS Freelancer   *April 2021 - May 2021*

- Developed AWS serverless Lambda using **Sharp**, **SAM** that operates on newly uploaded images in an S3 bucket within a specific folder, optimize them for the web, and store them in the same bucket within another folder.
- Currently used in production mode, reduces image size to **40%** of original and helps attain faster responsiveness.
- Developed a image-captioning lambda using **serverless** framework, **Cloudformation**, **TypeScript**, **lambda-layers** and **canvas**, capable of accepting font−url and image−url and responds back with **Base64** encoded image.
- Worked with **Amplify** to integrate Stripe payment workflow based upon different subscription types and trials.

Caarya Labs   *https://zunavish.com*

Full Stack Developer   *Oct 2020 - Nov 2020*

- Developed Zunavish, an online Job portal. Currently being used by **20+** companies.
- Worked with ReactJs, goLang, MUX and AWS(**Elastic Beanstalk, S3, DynamoDB, Lambda, CodePipeline**).

Elastic   *https://eui.elastic.co/pr_3681/#/navigation/button/playground*

Google Summer of Code Developer   *May 2020 - Aug 2020*

- Developed a playground service, to see in real-time how different props configurations affect visual and functional output.
- The playground system is capable of automatically generating the correct toggle type for a prop as well as the code configuration of the component.
- Added a **text−diff** utility/hook to generate a set of detailed comparison between two texts.
- Automated accessibility testing using **AXE** and debugged several issues.
- Designed tests for several components using **Enzyme**, react-test-renderer and mocked several functions using **Jest**.

EDUCATION

National Institute of Technology Hamirpur   *Hamirpur, Himachal, India*
- *Bachelor of Technology in Computer Science and Engineering* ***CGPA:*** 9.21/10   *July 2018 - May 2022*

Relevant Coursework: Operating System, Object Oriented Design, Network Programming, Data structures, Algorithm Design.

PROJECTS

Desktop IDE (Electron, React, NodeJs, TypeScript, Webpack)   *github.com/anishagg17/Ide_desktop*

- A Desktop tool to compile and edit *C++ or Python* code and render output based upon user provided input.
- Implemented functionalities like syntax highlighting, working on multiple files.
- Added Webpack(module bundler) to enable tree shaking and code splitting which reduced the compilation latency by 5%.

LEADERSHIP AND ACHIEVEMENTS

- **ACM ICPC**: Achieved **21st** rank among 1500 teams for Asia Kanpur onsite region.   *Aug 2021*
- **Open Source Contributions** : Contributed to Jest(Facebook), Susi.ai(Fossasia) and Bulldozer(Palantir)   *2021*
- **Elastic Contributor Program**: Ranked **1 world-wide**, and was highlighted during Elastic CC by **CEO**.   *Feb 2021*
- **CodeAgon, CodeNation**: Attained a global rank of **16** out of 50k participants.   *Sep 2020*
- **Facebook HackerCup**: Among 150/50k candidates to advance to the second round   *Oct 2020*
- **CodeChef Coding Competition, July Lunchtime**: Ranked **8/11k** globally and among top 3 Indians.   *July 2020*

SKILLS

- **Languages/Tools**: JavaScript, GraphQL, SCSS, HTML, Go, Python, ExpressJs, MySQL, ElectronJs, Git, Ethereum.