Saumitra Topinkatti

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CAREER OBJECTIVE

As a person who grew up with technology and who is passionate about exploring new skills, I would like to work and succeed in a challenging, progressive, and constantly evolving environment and adopt new skills and technologies to tackle my problems, promote self-development and help achieve the organizational goals.

SKILLS

Languages: Java, Golang, JavaScript/TypeScript, C/C++, Terraform/HCL
Databases: PostgreSQL, MongoDB, MySQL, SQLite
Frameworks/Tools: Gin, Appium, React, Node.js, Jest, JUnit 5, Flutter, IntelliJ, Visual Studio, Android Studio, Xcode, GitHub
Other: AWS, Operating System, Socket Programming, Unix, Data Structures and Algorithms, Debugging and Testing, Figma

EXPERIENCE

Software Engineer – Infraspec, Bengaluru   **June 2024 - Present**

- **GlomoPay (https://glomopay.com) (April 2025 - Present)**
    - **Skills: GCP, Terraform/Terragrunt, GitHub, Golang**

- **Angel One (angelone.in) (September 2024 – March 2025)**
    - **Skills: Java, Appium, Golang/Gin, Agile, Automation Testing, AWS**
    - Developed a modular architecture for seamless integration of new financial partners.
    - Designed and automated loan application processes, including verification and disbursal, improving deployment reliability.
    - Developed and deployed Android App Automation for the loan application process of a newly integrated financial partner, covering the entire flow from loan offer to disbursal and Loan Management System (LMS).
    - Designed a robust test suite to validate loan data correctness against the source of truth, covering edge cases such as API failures, loan rejection, successful disbursal, foreclosure, and cancellation. The automation significantly reduced QA regression efforts, **cutting deployment cycles from 4 weeks to 2 weeks**, accelerating feature releases, and improving overall testing efficiency.
    - **Enhanced test coverage (~80%)** in the back-end codebase and conducted performance benchmarking to optimize system stability.

- **Project Forge (Internal) (June – September 2024)**
    - **Skills: AWS, Terraform/Terragrunt, Linux, Bash Scripting, GitHub**
    - Worked on implementation of various Terraform modules such as ECS Deployment, and Self-managed Grafana over ECS.
    - Employed GitOps and streamlined deployment of Terraform code through GitHub Actions.

Software Development Intern – Infraspec, Bengaluru   **January - April 2024**

- **Internal Bootcamp**
    - **Skills: Java, JUnit 5, Mockito, Automation Testing, Agile, Pair Programming, Test-Driven Development, Node.js, Mocha/Chai/Sinon**

- o Had the opportunity to learn Agile Methodologies such as Pair Programming, User-Stories, Iterative Development and Feedback, I.N.V.E.S.T, etc.…, hands-on. Also learnt clean code principles such as S.O.L.I.D, and Y.A.G.N.I.
- o Had the opportunity to learn Automated Software Testing, and hands-on experience with Java's robust JUnit 5 testing framework, and other useful tools such as Mockito.
- o Researched and developed a Discord bot for internal purposes, also implemented Unit Tests using libraries like Mocha, and Chai, and Integration Tests.
- o Had the opportunity to learn Java's Spring Boot framework as a part of the boot camp, and learnt the underlying workings such as bootstrapping, beans, and various other Annotations.

Full-Stack Development Intern – DataDays, Delhi   **August - December 2023**
- **Mobile App for Societies/Communities**
  - o **Skills: Node.js, React.js, HTML/CSS, REST API, Micro-services, Logging, AWS S3, Agile**
  - o Built and maintained the core API and micro-services of the application using Node.js and Express.
  - o Researched and implemented verbose Logging on the Backend application, and then seamlessly uploaded the Logs to AWS S3.
  - o Had the opportunity to learn and understand the business plan of the application, including product description, competition surveys, and development process which employed the Agile Development methodology, software MVP, etc…

Flutter Development Intern – Tharasis, Bengaluru   **April - July 2023**
- **Mobile App for Restaurants/Cafe Management**
  - o **Skills: Flutter, Dart, Android, Logging, Mixpanel, AWS Device Farm, UI/UX**
  - o Designed and maintained their business app, worked on new features and used Mixpanel to implement analytics tracking.
  - o Performed rigorous app testing and reported flaws using AWS Device Farm.
  - o Inquired for various 3rd party services on behalf of the company regarding their plans and options.

Node.js Development Intern – Forty4Hz, Bengaluru   **March - June 2022**
- **AI-Powered Data Analytics Website**
  - o **Skills: Node.js, Jest, Automation Testing, REST API, JavaScript, AWS**
  - o Built and maintained several core micro-services written in JavaScript, and frameworks like NodeJS to build backend services (REST APIs) and AWS.
  - o Researched multiple API Documentation like Google's YouTube Analytics/Data API, Facebook GraphQL API, and LinkedIn API.
  - o Designed flexible unit tests for every functionality that I added with Jest.

ACADEMIC PROJECTS

Raspberry Pi NetBoot with PXE and NFS   **January - March 2024**
Skills: Operating System, Computer Networks, Linux, Bash Scripting
- Worked on researching the PXE booting process for Linux systems to effectively boot an OS from a remote NFS.
- Collaborated closely with the team to streamline the setup process to automatically configure a Linux system for PXE booting using Bash scripts.

MLN Dashboard   **November - December 2023**
Skills: React, HTML/CSS, JavaScript, Python, Flask, SQLite
- MLN Dashboard is a project that aims to implement software that can generate, analyze, and visualize complex data sets (relational data sets). This project was a collaborative project, between me, my brother, UTA (University of Texas at Arlington), and UNT (University of North Texas).
- Designed a simple-to-use dashboard using React.js and Vite technologies, with the back-end implemented with Python Flask.

- The dashboard features a Directory browser to browse, save and delete files on a user's file storage, and a UI that enables users to visualize and design relational queries. The prominent feature of the dashboard, which is Visualization, is implemented with the NPM package `reactflow`.
- Users can generate and visualize new/existing queries in the form of flow charts, with automatic validation and data updating dynamically.
- The Flask back-end is implemented to define REST API to support the front-end operations and to store the queries.

Npmjs package: react-use-latest-state   **November 2023**
Skills: React, TypeScript
- Designed a Npmjs package that addresses an issue while using React's `useState`. Values referenced by `useState` do not get updated inside nested closures and therefore reference older values, which can limit a developer's design architecture and also make debugging difficult.
- The package addresses and implements a solution using React's `useRef`, by simply returning two functions - to retrieve the latest value, and to update the value.

Discord Game Bot   **October 2023**
Skills: Node, Discord.js
- Designed a simple Discord Spell-Bee game bot using Node.js and Discord.js SDK.
- Implemented a clean design architecture, as per the standard practices.

College Fest Website   **February – March 2023**
Skills: React, Node, Express.js, MongoDB, JavaScript, TypeScript
- Created a dynamic website for KLS GIT's Aura festival, featuring curated event listings and streamlined registration processes.
- Utilized React.js, Tailwind CSS for frontend, Node.js, Express.js, and MongoDB for backend, hosted on AWS EC2.
- Admin panel for coordinators built with React.js, Refine MUI, hosted on Netlify for efficient management.

EDUCATION

Bachelor of Engineering in Computer Science   **December 2020 - July 2024**
    KLS Gogte Institute of Technology, Belagavi
XII   **March 2020**
    Govindram Seksaria Science College, Belagavi
X   **April 2018**
    Dnyan Prabodhan Mandir (ICSE), Belagavi