Swapnil Markhedkar

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EDUCATION

Carnegie Mellon University — Pittsburgh, PA
(Incoming) Master of Software Engineering in Scalable Systems — Aug 2022 – Dec 2023

Pune Institute of Computer Technology — Pune, India
Bachelor of Engineering in Computer Engineering; GPA: 9.44/10.0 — Aug 2017 – May 2021

EXPERIENCE

Avaya — Pune, India
Software Engineer — July 2021 - July 2022
- Designed and implemented an **eventing framework** to deliver telephony events over REST Hooks with **low-latency**. Boosted revenue potential by **16%** for Avaya Aura.
- Enhanced security across RHEL and Apache Tomcat by fulfilling 80% of Joint Interoperability Test Command STIGs to meet US Department of Defence requirements.
- Improved **Geo-Redundancy High Availability** (GRHA) module by **38%**, extended licensing functionality and tackled inconsistency issues.
- Migrated core services to log4j 2.17.x without compromising functionalities.

Nice Systems — Remote
Software Intern — Oct 2020 - March 2021
- Built a scalable system that ensured fault-tolerance and load balancing across web socket layers over AWS EC2 instances using Apache Kafka and Spring Boot.

GoQLES — Remote
Software Development Engineer Intern — June 2020 - Aug 2020
- Delivered a feature to facilitate handling leads of prospective students.
- Elevated performance by addressing 30+ bugs and resolving bottlenecks.

Susthitsoft Technologies — Pune, India
Software Development Engineer Intern — June 2019 - Aug 2019
- Developed a Backend-as-a-Service that facilitated creation of a structured database.
- Generated APIs for CRUD operations on apps using Django REST framework.
- Implemented a dynamic UI using Vue.js that aimed to reduce server-side development time by 85%.
- Automated pip package creation and versioning using simple a CI/CD gitlab pipeline.

PROJECTS

- **Lurker - Social Media Feed Optimizer**: Theorized and implemented a Multi-Siamese model that identified duplicate social media posts and categorised them across social media platforms to provide a optimised feed for users.

- **Groundwater Management Tool**: Worked on Server-side using Node.js and MongoDB in the Smart India Hackathon 2019. The tool helped in analyzing, comparing and predicting groundwater usage for a specific region across the country

- **Senior Citizen Care**: Created an android app that schedules timely alarms for medicines as well as reminders for doctor's appointment. Built an emergency panel to quickly contact family members and caretakers

SKILLS

- **Languages**:   Python, C, C++, Java, Bash, HTML, CSS, JavaScript
- **Frameworks**:   Django, Spring Boot, Express.js, Spring Webflux, React, Redux, Angular, Vue.js
- **Tools**:   Git, MongoDB, MySQL, PostgreSQL, Apache Kafka, ksqlDB, Node.js
- **Platforms**:   Linux, Web, AWS, Docker, Android

AWARDS

- **Avaya GLIDE**: 1st place awarded amongst 2021 new grad cohort for excellence in event-driven project — *June 2022*
- **Google KickStart**: Top 25% in Google's coding competition — *Sep 2020*
- **Smart India Hackathon 2019**: 1st place in National Hackathon — *May 2019*