Abhishek Patil

 Abhishek0706 | in abhishek0706 | ✉ patil.abhishekpatil108@gmail.com | +91-96302-39699

Education

Indian Institute of Technology Roorkee   Jul 2018 - Jun 2022
Bachelors of Technology in Computer Science and Engineering   GPA: 8.32/10.0

Experience

Cohesity — Member of Technical Staff II -> III   Aug 2023 - Present

- **Owned** feature development and maintenance of Heimdall, a cloud-native service for provisioning and reusing temporary compute and disk resources in **Aws** and **Azure**. Improved performance by offloading workflows from local cluster mounts to dynamic cloud VMs, reducing cluster failure rate by over 40%.
- Built a Heimdall API testing tool to directly validate resource acquisition/release APIs, reducing test/debug cycle time from hours to minutes in live environments - improving test efficiency by over 80%.
- Contributed to the **SaaS** backup product for **ServiceNow**, handling structured (tables) and unstructured (attachments) data. Worked cross-functionally with the UDAv2 team and **SQLite** team to co-design reliable data protection workflows.
- Integrated dynamic config fetching from the central control plane DB for AMI and Azure Image selection for Heimdall, reducing cluster update time for SREs by over 90% by enabling single-point updates instead of per-cluster config changes.
- **Led end to end** migration of Azure workloads from unmanaged to managed VMs in alignment with Azure's deprecation roadmap. Ensured backward compatibility and seamless service continuity for Recovery and **Cloudspin** workflows with minimal disruption. Impacted over 200 customers, enabling uninterrupted service and smoother platform transitions.
- Enhanced agent security by replacing static keys with dynamic **pki-based** authentication. Hardened communication between agent and services to reduce vulnerability exposure.
- **Mentored** junior engineers, onboarding them onto broader cloud adapter projects, workflows and heimdall service.
- *Tech Stack*: **C++, GoLang, Aws, Azure, Gcp, Distributed System**, Protobuf, Micro-service, Cloud.

Sprinklr — Product Engineer   Jul 2022 - Jul 2023

- Developed a unified text input interface supporting Twitter, Facebook, and LinkedIn, enabling seamless user tagging and formatting across platforms in a single editor component in **React Native** affecting over 500 customers.
- Implemented accessibility features such as keyboard navigation and screen reader support, ensuring compliance with WCAG 2.0 Level AA accessibility standards.
- Refactored legacy frontend components using a modern hooks-based architecture (replacing container-presentational pattern), improving reliability, maintainability, and code reuse across the product.
- Tech Stack: JavaScript, React Native, Web Development, Mobile Development.

Sprinklr — Product Engineer Intern   May 2021 - Jul 2021

- Built *CLI* tools using **Node.js** to bootstrap new frontend projects and automate browser compatibility for existing ones, reducing setup time and enabling faster, standardized migrations across teams.
- Tech Stack: JavaScript, TypeScript, NodeJs.

Projects

Appetizer — *Dart, Python, Django, Java*   Jun 2019 - Mar 2020

Worked on the multi-messing feature of Appetizer, the official mess management app of IIT Roorkee used by over 4000 students, including both frontend and backend development. Also led the migration of the app from Android Studio (Java/Kotlin) to Flutter, enabling cross-platform support and improved maintainability.

Part of Speech tagging — *Java*   Aug 2020 - Nov 2020

Developed a dynamic programming algorithm (Viterbi) to obtain the 'maximum a posteriori probability estimate' of the most likely sequence of hidden states resulting in a sequence of observed events. Achieved over 99% accuracy.

Achievements

JEE Advanced	Secured **AIR 1309** in JEE Advanced 2018
JEE Mains	Secured **AIR 3532** in JEE Mains 2018
Codeforces	Maximum rating 1715 (Username: spidermonkey)
CodeChef	Achieved global rank 317 in CodeChef Coders Legacy contest (Username: abhishek_0706)