Ashutosh Gangwar

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EDUCATION

Meerut Institute of Engineering & Technology   Aug 2015 – Jul 2019

Bachelor of Technology in Computer Science & Engineering

PROFESSIONAL EXPERIENCE

Zauba Technologies   Aug 2019 – Feb 2020

Worked on a PaaS product with resource consumption based pricing model   *SDE 1 — Cloud Computing R&D*

- Implemented a pod metrics aggregation and caching layer in Golang for an in-house Kubernetes scheduler
- Extended ceph-ansible playbooks for automating Ceph cluster deployment and management
- Configured the Kubernetes cluster monitoring and application observability stack

FOSSEE, IIT Bombay   Jun 2018 – Jul 2018

Performed general maintenance tasks on an EDA toolkit for the duration of the fellowship   *Summer Fellow*

- Patched 3 bugs in *eSim*, an EDA toolkit tailored for electronic circuit simulation, written in Python
- Resolved 2 open issues in *Kicad*, the principal dependency of *eSim*, written in C++
- Automated build process of *eSim* to encourage continuous integration

OPEN-SOURCE ACTIVITIES

EasyNet   Oct 2018 – Nov 2018

An employee engagement portal based on the requirement specification provided by IBM   *Project Lead*

- Implemented a server-rendered web service with MVC architecture using Spring, Hibernate and Thymeleaf

Config Reflector   Nov 2019

A Kubernetes controller to automatically copy ConfigMaps and Secrets across namespaces   *Creator*

- Implemented a Kubernetes controller in Golang using controller-runtime library and Operator SDK

Noice for Android   Jun 2019 – Present

An ambience generator with a collection of recorded noise, written in Kotlin   *Creator*

- Implemented an Android app using native SDK along with unit & UI tests using JUnit, Espresso & Robolectric
- Implemented a Chromecast receiver app in TypeScript using Web Receiver SDK & unit tests using Jest
- Grew user acquisition by 350% in past 6 months with an average user rating of 4.6/5 on Play Store

swiftp   May 2017 – Jun 2018

A FTP-over-LAN server for Android, written in Java   *Contributor*

- Implemented concurrent sessions and credential management for multiple users
- Implemented server extensions for computing file checksums and enabling partial file transfers

Android Translations   Jun 2020

A tool to find missing and outdated translations in Android projects tracked using Git   *Creator*

- Implemented a GitHub action in Golang to serve as a substitute for Android Lint in CI environment
- Used `git-blame` to identify outdated string translations

MISCELLANEOUS

- **Interests:** API Design, Container management, Distributed systems
- **Programming Languages:** (proficient:) Golang, Java, Kotlin, C, (familiar:) Bash, JavaScript, Python, PHP
- **Platforms:** (proficient:) Kubernetes, Docker, AWS EC2, (familiar:) Ceph, AWS, GCE/GKE
- **Tools:** Linux, Git, GNU make, Gradle, OpenAPI Tools, Intellij, VS Code
- **Founder** of *Udyat*, a students club in the department of Computer Science & Engineering at MIET