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Summary

A Software Engineer with a strong background in Android development and a passion for DevOps. I bring over **2 year of experience** building and publishing native Android applications during my time at university.

My journey has evolved from mobile development to mastering DevOps practices, where I now focus on **hosting** and **managing services**, **automating workflows** and **maintaining Kafka clusters on Kubernetes**.

Experience

Software Engineer II, Pridesys IT – Dhaka, Bangladesh   June 2024 – present

- Migrated **on-premises services** to **cloud infrastracture** using **Azure** resulting in a streamlined infrastructure that improved the system uptime and reduced maintenance needs.
- Implemented a **CI/CD pipeline** using **GitHub Actions** to automate and streamline the deployment of the company services to Azure, enhancing the **deployment efficiency** and reducing **manual errors**.
- Configured and maintained a **Kafka cluster** on **Kubernetes**, ensuring reliable data streaming to support critical business operatoins.
- Charted an **open-source communication** system using open source software, consolidating **100+ groups** from multiple platforms into a **single**, **streamlined** solution.
- **Tools Used**: Azure, Kubernetes, Docker, Helm, GitHub Actions, Kafka, OpenTofu, Mockito, JaCoCo, Spring Boot

Junior Software Engineer, Pridesys IT – Dhaka, Bangladesh   Nov 2023 – June 2024

- Formulated a **microservice-based architecture** for the company's flagship product, Pridesys ERP.
- Implemented **JUnit tests** integrated with **Github Actions** to ensure code quality and significantly reduced the need for manual testing.
- **Tools Used**: Spring Boot, Docker, GitHub Actions, JUnit

Junior Frontend Developer, Durjoy DSS – Dhaka, Bangladesh   July 2021 – Jan 2022

- Developed a **mobile application** using **Java** and **Android Studio** that allowed users to track their daily expenses.
- Redesined a user friendly **UI** that increased the user engagement.
- Published **2 applications** on the **Google Play Store**.
- **Tools Used**: Java, Android, Android Studio, Room Database, REST API.

Open Source Contributions

Render CV   PR #166

- Enhanced the **rendercv** tool by integrating **rendercv settings** into the **YAML** file, allowing users to define **cli** options directly within the configuration, simplyfying the resume generation process.
- **Tools Used**: Python, YAML, Jinja2

Education

Bangladesh University of Engineering & Technology, BSc in Computer Science & Engineering   Apr 2019 – May 2024

- GPA: 3.63/4.0
- **Coursework:** Computer Architecture, Computer Networks, Data Structures, Algorithms, Operating Systems, Software Engineering

Projects

Dynamic Document Parser   Github Organization

- Developed **web based application** on top of **Tesseract OCR** following **microservice architecture** for parsing and extracting data from documents.
- **Tools Used**: JavaScript, Node.js, MongoDB, Docker, Tesseract OCR

Typing tool for Developers   Git Repository

- Developed **typing tool** for the developers that searches for the random code snippets from the GitHub to improve their typing speed and accuracy.
- **Tools Used**: JavaScript, Node.js

Custom Operating System   Git Repository

- Built a **UNIX-style** OS with a **scheduler**, **memory management** and **file system** on top of the **xv6** operating system.
- **Tools Used**: C++

IMDB Clone for android   Git Repository

- Programmed an **android application** following **MVVM architecture** that fetches data from the **TMDB api** and displays it to the user.
- **Tools Used**: Java, Android, REST API

Home Lab Setup   Git Repository

- Assembled a collection of opinionated **docker compose** files to run a **home lab** on a single server.
- Services include **Jellyfin**, **PiHole**, **Unbound**, **HomePage**, **Traefik**, **NextCloud**, **Outline**, **Wiki.js**.
- **Tools Used**: Docker, Docker Compose

Skills

Core Languages: C, C++, Java, Python, JavaScript, Bash

DevOps & GitOps: Kubernetes, Docker, Helm, Jenkins, GitHub Actions, OpenTofu, Terraform, Kafka

Testing & Automation: JUnit, Mockito, JaCoCo, Playwright, Selenium, GitHub Actions

Databases: MySQL, PostgreSQL, MongoDB

Cloud Computing & Hosting: Azure, AWS

Backend Frameworks: Spring Boot, Node.js, Django