Md Aidul Islam

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Skills

- C++ | Java | Kotlin | HTML | CSS | JavaScript | TypeScript | Python
- Android SDK | Angular | React | Express | Serverless | Linux
- MySQL | Firebase | MongoDB | SQLite
- GenAI | AWS Lambda | S3 | EC2 | Docker | Git

Experience

Full Stack Software Developer (Intern) — **Codersdash** — *Tampere, Finland* — **09/2023 - 12/2023**

- Developed and maintained front-end with React and back-end with NodeJS express framework using NoSQL database MongoDB.
- Collaborated with team members to troubleshoot issues and optimize code.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing.

Software Engineer (Part-Time) — **nztrip** — *Kuala Lumpur, Malaysia* — **02/2023 - 03/2023**

- Designed and implemented enterprise applications of Malaysia's largest travel agency platforms, using the javascript front-end framework Angular.
- Worked with the engineering team on the B2B experience of the platform's cancel, return, and exchange systems (PC/Mobile).
- Integrated multiple third-party systems with the escrow platform, including Alipay.

Android Developer — **Xit Bangladesh** — *Chattogram, Bangladesh* — **11/2021 - 01/2023**

- Developed Android applications utilizing core and advanced Android components in Java and Kotlin.
- Integrated Android APIs such as Location Services, Cameras, and Notifications to enrich app functionality.
- Implemented data storage and retrieval using SQLite database, SharedPreferences, and Room Persistence Library.
- Integrated RESTful APIs and handled JSON data parsing using libraries like Retrofit and Gson and Google APIs like map service.
- Implemented asynchronous operations using AsyncTask, Threads, and Kotlin Coroutines for smooth app performance.
- Led the development of several products, from identifying system requirements and partner dependencies to workload balancing, software implementation, engineering, testing, and configuring metrics, alarms, monitors, and dashboards.

Education

Masters of Science — **Tampere University** — *Tampere, Finland* — **08/2023 - Current**

- Major in Computing Science, Software, Web & Cloud

Side Projects

- **Text to SQL:** In this application, I used Google Gemini API to convert the natural language to SQL query and retrieve data from the SQLite database.
  Project Link- https://github.com/aidul23/Natural-lang-to-SQL
- **TALK**: Chatting Web Applications (React, Node.js, express.js, MongoDB, Socket.io)
  Project Link- https://github.com/aidul23/talk
- **Algo Visualizer**: Web application for dynamic representation of algorithms (React)
  Project Link- https://aidul23.github.io/algo-visualizer
- **Uni Hacks**: Smartphone-Based University Utility Android App that makes students' campus life easy and smart. Solve daily varsity life problems of students like food, printing, attendance, finding vacant rooms, etc. (Java, Kotlin, Android SDK, Firebase, Google Map API, MVVM)
  Project Link- https://github.com/aidul23/Uni-Hacks

Others

- **Competitive Programming - Intermediate:** Completed training in competitive programming intermediate level from Dev Skill (08/2022)
  Certificate