Danish Dua

dandua.com | danish@dandua.com

EDUCATION

University of Alberta
BSc in Computer Engineering
Sep 2016 - Apr 2021

LINKS

GitHub:// **dandua98**
LinkedIn:// **dandua98**
Twitter:// **@dandua98**
Medium:// **@dandua98**
Devpost:// **dandua98**

SKILLS

Languages
Go • Python • Rust • C++ • Java • Hack • JavaScript • TypeScript

Infrastructure
Google Cloud • Azure • AWS • Kubernetes • Docker • Helm • Nginx

Full Stack
React • Vue • WebAssembly • NodeJS • iOS • Android

PROJECTS

Pending PR
TypeScript
A GitHub app to help manage issues in pull requests better using automated labelling. Installed on 1000+ repositories. Available on GitHub Marketplace

MapReduce
C++
Multithreaded MapReduce library developed with POSIX threads ThreadPool

EXPERIENCE

Snapchat | SOFTWARE ENGINEERING INTERN - BITMOJI
Oct 2020 - Jan 2021 | Toronto, ON

- Incoming Software Engineering Intern at the Snapchat Toronto on Bitmoji.

Google | SOFTWARE ENGINEERING INTERN - GOLANG
July 2020 - Oct 2020 | Remote

- Improved auto-completion for comments and added code folding support for select statements in Go language server.
- Adding call hierarchy support for function definitions in Go Language Server Protocol (gopls) implementation.

Facebook | SOFTWARE ENGINEERING INTERN - APPSIZE
May 2020 - July 2020 | Remote

- Implemented debug symbol lookup for mobile build analysis to attribute missing size info for apps using link time optimization. Led to a 90%+ decrease in missing size info resulting in more actionable and informative build reports.
- Added support to subscribe to workchat notifications for long running mobile build analysis jobs, eliminating dev time spent continuously monitoring builds.
- Updated mobile build pipeline to store and show demangled C++ symbols in build reports.
- Added event and performance logging for build size monitoring and app size regression tools and scripts. Implemented dashboards to track errors and performance regressions.

Honey | SOFTWARE ENGINEERING INTERN - CORE SERVICES
May 2019 - August 2019 | Los Angeles, CA

- Designed audit logging middleware for internal tools and dashboards to help teams track usage analytics.
- Developed a GraphQL API for user role group management, thereby reducing time required for user related admin tasks for Ops teams by more than 80%.
- Implemented an Internal Dash Notification system working across 35+ dashboard domains serving more than 300 Honey employees.

Microsoft | SOFTWARE ENGINEERING INTERN - WEB TEMPLATE STUDIO
January 2019 - April 2019 | Vancouver, BC

- Converted Azure deployments to resource management templates for Web Template Studio extension for VSCode, thereby improving deployment process and increasing user transparency into deployments.
- Implemented Internationalization and Keyboard Navigation for Web Template Studio. Improved application accessibility to meet WCAG standards with a 95%+ score.
- Developed Azure Functions deployment and integration workflows to support serverless development using Web Template Studio.

Green Brick Labs | SOFTWARE ENGINEERING INTERN - INFRASTRUCTURE
April 2018 - August 2018 | Waterloo, ON

- Implemented tooling to automate service discovery and service, plugin and route registration with Kong API Gateway.
- Worked on the Identity Provider microservice, implementing account registration, password reset, and admin account control workflows. Implemented claim verification with JWTs.
- Developed an OpenAPI documentation parser to integrate GBLs standardized documentation with internal services and tools.