

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 • JavaScript • TypeScript • Python
• CoffeeScript • Java • C# • Swift •
C++ • Bash

Infrastructure

Azure • AWS • GCP • Kubernetes •
Docker • Docker Compose • Helm •
BigQuery • NGINX • Kong • Kafka •
Redis

Frameworks

Node • React • Vue • Redux •
GraphQL • iOS • Android

COURSEWORK

File and Database management
Object-Oriented Software Design
Computer Organization and
Architecture
Software Requirements Engineering
Intro to Tangible Computing
Formal Systems and Logic in
Computing Science

EXPERIENCE

Honey | SOFTWARE ENGINEERING INTERN

May 2019 - Present | Los Angeles, CA

- Designed audit logging middleware for internal dashes and tooling to help teams track usage better.
- Reworked Dashboard Gateway to modernize the UI, increase compatibility with dependencies and improve tool discovery through categorization.
- Converted Internal and Platform APIs, Dash Backends and Cache Filler tasks to GraphQL stored operations (persisted queries).
- Developed admin restricted GraphQL API and corresponding dashboard to create, update and delete user role groups for easier role group management.
- Implemented an Internal Dash Notification system that works across 35+ dashes for more than 300 Honey employees.

Microsoft | SOFTWARE ENGINEERING INTERN

January 2019 - April 2019 | Vancouver, BC

- Worked on **WebTemplateStudio**, a VSCode extension that helps web developers bootstrap an application with integrated Azure Cloud Services faster. Received over 60,000 downloads and 1200 stars on GitHub.
- Implemented *Internationalization* and *Keyboard Nav* for the extension's UI (written in *React*). Improved application accessibility to meet WCAG accessibility guidelines.
- Converted Azure REST API deployments to ARM templates, thereby improving the extension's maintainability, extensibility, and improving user transparency.
- Developed a REST API for the extension's code generation and merging engine (**GitHub: Microsoft/CoreTemplateStudio**).
- Designed Azure Function (serverless compute on Azure) deployment and integration with generated projects for Web Template Studio.

Green Brick Labs | FULL STACK DEVELOPER INTERN

April 2018 - August 2018 | Waterloo, ON

- Implemented internal tooling to automate service discovery and service, plugin and route registration with Kong API Gateway.
- Worked on the Identity Provider microservice, implementing the account registration, password reset, and admin account control workflows. Implemented claim verification with JWTs.
- Converted multiple microservices, database containers, kafka instance and architecture skeletons from Docker Compose to Kubernetes.
- Develop an OpenAPI documentation standard parser to integrate standardized documentation with internal services and tools.

PROJECTS

Pending PR TypeScript

A GitHub app to help manage issues in pull requests better using automated labelling. Installed on more than a 1000 repositories across different GitHub users, including a few at Microsoft. (**GitHub Marketplace: Pending PR**)

AWARDS

2019	NWHacks	Microsoft Best use of Azure Hack for MSNews AR
2019	XDHacks	Top 6 and Best Hacks finalist for Research Hub
2017	University of Alberta	1st place at Junior Engineering Design Competition
2016	University of Alberta	Centenary Scholarship