

Danish Dua

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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 •
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 dash and tooling to help teams track dash usage better.
- Reworked internal gateway to modernize the user interface, increase compatibility with newer dependencies and improve tool discovery through categorization.
- Converted APIs and task runners to remote GraphQL procedure calls (named execution) instead of direct querying by services.
- Improved authentication handling scenarios for request proxy layer at internal gateway level.

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. Owned Azure deployments process for the application.
- Implemented *Internationalization* and *Keyboard Navigation* for the extension's UI (written in *React*). This enabled the application to be more accessible and 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**).

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 with no downtime.
- 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, shared kafka instance and architecture skeletons from Docker Compose to Kubernetes.

PROJECTS

Pending PR | GitHub Marketplace: Pending PR | TypeScript

A *GitHub app* to help you manage issues in pull requests (PRs) better. Installed on more than a 1000 repositories within different enterprises, including at **Microsoft**.

MSNewsAR | Devpost: software/msnewsar | Swift, Python, Azure

news.microsoft.com with video as a supplement to images in AR. Dynamic parsing at backend to find related videos. Proof of concept at NWHacks2019. **Winner**, *Microsoft Best use of Azure Hack*, *Wolfram Award for Best Hacks* and *Microsoft imagine cup 2019 semi-finalist, Americas region*.

AWARDS

2019	NWHacks	Microsoft Best use of Azure Hack for MSNewsAR
2019	XDHack	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