

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

Infrastructure

Kubernetes • Docker • Docker
Compose • Helm • Nginx • Kong •
Apache Kafka • Redis

Azure

App Service • Kubernetes Service •
Azure Functions • Cosmos DB

GCP

App Engine • Kubernetes Engine •
BigTable • BigQuery • Firestore •
Spanner • Storage • IAM • Stackdriver
• Cloud Functions

Full Stack

Node • Flask • Gin • React • Redux •
Vue • GraphQL • MongoDB •
PostgreSQL • MySQL • 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

EXPERIENCE

Google | SOFTWARE ENGINEERING INTERN

July 2020 - Oct 2020 | New York City, NY

- Incoming Software Engineering Intern at Google New York City on GCloud Tech Infra team.

Facebook | SOFTWARE ENGINEERING INTERN

May 2020 - July 2020 | Menlo Park, CA

- Incoming Software Engineering Intern at Facebook Menlo Park.

Honey | SOFTWARE ENGINEERING INTERN

May 2019 - August 2019 | Los Angeles, CA

- Designed an audit logging middleware for internal dashboards to help developer teams track tooling usage better.
- Reworked internal dashboard service gateway to increase compatibility with Node 10.x+ dependencies and improve discovery through categorization.
- Converted Honey Platform APIs and Redis Cache Filler tasks to GraphQL stored operations (persisted queries).
- 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

January 2019 - April 2019 | Vancouver, BC

- Worked on Web Template Studio, a VSCode extension to helps developers bootstrap a web application deployed on Azure in under a minute. Received over 100,000 downloads and 1700 stars on GitHub.
- Converted Azure deployments to Resource Management templates, thereby improving the extension's extensibility and helping with user transparency.
- Implemented Internationalization and Keyboard Nav for the extension's UI. Improved application accessibility to meet WCAG standards with a 95%+ score.
- Developed a REST API for Core Template Studio, a code generation and merging library for Web/Windows Template Studio.
- Designed Azure Functions (serverless compute on Azure) deployment and integration workflows for Web Template Studio generated projects.

Green Brick Labs | SOFTWARE ENGINEERING 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 account registration, password reset, and admin account control workflows. Implemented claim verification with JWTs.
- Converted multiple microservices, database containers, global kafka instance and architecture skeletons from Docker Compose to Kubernetes.
- Developed an OpenAPI documentation parser to integrate GBLs standardized documentation with internal services and tools.