

UTKARSH LAMBA

Software Engineering @ UWaterloo

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in [ulamba](#)

utk9

utkarshlamba.com

SCHOOL

University of Waterloo

B.Sc. Software Engineering

Sep 15 - Apr 20

Dean's Honours List, 2018

UWaterloo

Microsoft Alumni Scholarship in Engineering

President's Scholarship

SKILLS

Languages

Java

Python

JavaScript

SQL

C / C++

Frameworks

Express

Flask

React

Infrastructure

Docker

Kubernetes

Spinnaker

OpenTracing

LightStep

AWS (S3 · SQS · RDS · Lambda)

Database

MySQL

PostgreSQL

Memcached

Redis

EXPERIENCE

Plangrid

Infrastructure Engineering Intern

May 18 - Aug 18

San Francisco, CA

- Authored a technical spec and implementation for a tool that creates a single Spinnaker pipeline to redeploy all applications, **reducing failover downtime** by 60%
 - Designed a data model and setup the framework for History Event Log in Plangrid, unblocking a new product release and leading towards **increased ARR** for the company
 - Co-developed a **caching layer** for Postgres and third party APIs, reducing latencies across Plangrid services and **establishing a caching standard** across all teams
 - Joined the **on call** rotation, using tools like Datadog & New Relic to resolve & triage alerts
- Python, Flask, Redis, PostgreSQL, Spinnaker

Airtable

Software Engineering Intern

Sep 17 - Dec 17

San Francisco, CA

- Designed and built a **pipeline** to process and stream logs from AWS Lambda to clients
- Developed a service to build blocks locally, **reducing** transient **build times** by 50%
- Created a CLI and APIs to develop and release blocks to an app store
- Instrumented the build flow for blocks with LightStep to identify and **solve bottlenecks** in areas like file compression

Node, Express, MySQL, AWS, React

Yahoo

Software Engineering Intern

Jan 17 - Apr 17

Sunnyvale, CA

- **Designed database schemas** and implemented the backend for user personalization features such as homepage, favourites list, user recommendations and preferences
- Developed an API to **migrate** logged out **data** to user account for **4.9M+ users**
- Specified and prototyped a background worker system for async tasks using SQS

Node, Express, Memcached, MySQL, AWS

Vena Solutions

Software Developer Intern

May 16 - Aug 16

Toronto, ON

- Designed and developed a **micro service** to schedule and trigger HTTP requests
- Built a customizable email notification system for events in the Vena platform

Java, Spark, MySQL, Javascript, Backbone

PROJECTS

WhiteBoard - See it at bit.ly/2LobjhV

A collaborative, real-time drawing platform for diagrams and mockups. Built the backend, including a web socket interface. Deployed using Heroku and mLab.

500+ whiteboards created

NoteShare - See it at bit.ly/2Jymq6f

A platform to quickly share and store class notes, pictures and documents.