UTKARSH LAMBA

Software Engineering @ UWaterloo

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SCHOOL

University of Waterloo

B.Sc. Software Engineering

2015 - 2020

Dean's Honours List, 2018

UWaterloo Microsoft Alumni Scholarship in Engineering

President's Scholarship

SKILLS

Languages
Java
Python
JavaScript
SQL
C / C++

Tools + Frameworks
Node (Express)
Flask
Docker
Kubernetes
OpenTracing + LightStep

Database
MySQL
PostgreSQL
Memcached
Redis

AWS
S3
EC2/ECS
Lambda

EXPERIENCE

Plangrid
Backend Engineering Intern

May 2018 - Ongoing
San Francisco, CA

- Developed a multi-level caching layer for Postgres and third party APIs, reducing latencies across Plangrid services and establishing a caching standard across all teams
- Authored a proposal, technical spec and implementation for a middleware based data decorator architecture, decreasing technical debt and improving test coverage
- Added global notification preferences, reducing weekly email unsubscribe rate by 40%
- Joined the on call rotation, resolving production incidents and participating in retros

Python, Flask, Redis, PostgreSQL

Airtable
Software Engineering Intern

Sep - Dec 2017
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, MySQL, AWS, React

Yahoo
Software Engineering Intern

Jan - April 2017
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 - Aug 2016
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
- Implemented an API to transform and stream user and model audits in CSV format

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.