Seattle, WA (206)-480-8889

Sarthak Singh



sarthak.singh99@gmail.com

Software Engineer

Dedicated Software Engineer with **Web Development** and **DevOps** experience. Quickly learns and masters new technologies while working in both team and self-directed settings.

SKILLS

Python
JavaS

JavaScript/TypeScript

Java

Kubernetes

• GCP: (GCE, GCS, GKE)

Django

Vue.js

Kotlin

CI/CD

• AWS: (EC2, EBS, S3, Lambda)

Flask

Docker

Rust

Linux

• Android Development

WORK EXPERIENCE

Student Software Engineer

Jun 2019 — Oct 2021

Academic Experience Design & Delivery (AXDD) UW-IT

Seattle

- Lead the frontend conversion for the biggest application under UW-IT AXDD. It involved converting old Handerbars + Django Templates based frontend to a Vue.js frontend.
- Worked on creating user interaction analytics and integrated Google Analytics into a Vue.js frontend.
- Designed and implemented Unit testing and End to End testing infrastructure for the new frontend.
- Integrated the Vue.js build process and testing into preexisting CI/CD pipeline.
- Containerized and deployed multiple projects to GCP using flux and helm.
- Created native android apps for multiple projects.
- Created REST backends in Django. Migrated Django apps from Shibboleth Auth to OIDC.
- Migrated MySQL database from AWS RDS to GCP Cloud SQL.

Contacts: Craig Stimmel - cstimmel@uw.edu, Charlon Palacay - charlon@uw.edu

EDUCATION

Bachelor of Science: Physics Comprehensive

Sep 2017 — Jun 2021

University of Washington - Seattle, WA

PROJECTS

3D Mixed Reality graphing application in Hololens 2

Oct 2019 — Oct 2019

github.com/SarthakSingh31/GraphMR

- Used a Computer Vision API to read hand written equations.
- Processed the returning equation and displayed it as a 3D graph that the user could interact with though the hololens.
- Wrote as part of a team for DubHacks 2019 hackathon in 48 hours.

In-application overlays for Windows through DLL Injection

Dec 2018 — Jan 2019

- Wrote a system wide DLL injector.
- Used it to render DirectX overlays on applications on keypress.