

Akshat Sharma

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Education

Master of Software Engineering,

San Jose State University

Aug 2018 – Dec 2020

Bachelor of Software Engineering,

San Jose State University

Aug 2015 – May 2018

Skills

Languages

JavaScript, Java, Python, Lua, C, Bash

Frontend Web

jQuery, React, React UI Libraries,
CSS(sass/scss), Tailwind, HTML

Backend Web

Node.js, Express.js, Knex.js, Serverless,
Django, Ruby on Rails

Databases

Firebase, MySQL, PostgreSQL

Cloud Services

Google Cloud Platform, Amazon Web
Services, Digital Ocean, Linode

Concepts

Object Oriented Programming, Event
Driven Programming, Parallel Processing,
C Socket Programming, Software Defined
Networking (Ryu, Floodlight),
OpenTracing

Linux

Debian 10, Ubuntu (16.04, 20.04)

Version Control

Git, Github Actions

Work Experience

Software Developer, Sunnet Inc.

Aug 2021 – Present

- Bug fixing, and implementing enhancements in legacy projects developed with stack: Tomcat, Spring, Apache Struts, JSP, JQuery, and Bootstrap.
- Integrating JaegerTracing in existing Java microservices.

Web Developer, Foldscope Instruments, Inc.

May 2021 – Aug 2021

- Built a React dashboard that can be used to program a laser based projection device with Blockly and P5.
- Participated in designing a lower level language for the projector, and implemented a JavaScript based engine that converts HTML canvas to the projector language.

Full Stack Web Developer, Red Line Safety

Oct 2019 – May 2020

- Worked closely with higher leaderships to fulfill client requirements and discuss implementation plans.
- Implemented a map based Single Page Application using Next.js and React Ant Design UI library to display live values from Firebase. Used socket.io to implement client-server notification system.

Projects

Flyingfox, CSS, Firefox [🔗](#)

Apr 2020 – Mar 2021

A CSS based open source project with over 2k downloads that redesigns Firefox and offers customization with a React.js SPA.

Boreas, Android, Java [🔗](#)

Aug 2019 – Dec 2020

A decentralized encrypted Android chatting app facilitating offline chatting using Google Connection API. Implemented UI, RSA encryption, and implementing event-signal based architecture to update views upon database changes.

Custom Linux Kernel, C, Virtualization

Oct 2019 – Nov 2019

Implemented VM-exit in Linux kernel to perform various tasks in the hypervisor(KVM) based on values in registers.

UniRide, Android, Java [🔗](#)

Oct 2017 – May 2018

Developed a ride sharing android application for students as undergrad senior project. Designed and implemented Object oriented software architecture and UI.