

McKlyde Lagnada

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WORK EXPERIENCE:

Site Reliability Engineer - Blue Origin, Kent, Washington

December 2021 - Present

Responsible for keeping all user-facing services running smoothly, and reliably.

- Configure, deploy, scale, and administer open source, and commercial software using infrastructure as a code.
- Monitor service level objectives.
- Work with a team to develop, maintain, and communicate current development timelines.
- Improve security and performance of infrastructure.

Web Developer — *Fanimal, Venice, California*

January 2020 — March 2020

A live events ticket exchange platform — fanimal.com

- Utilized react, and django framework to create and maintain pages for the website.
- Designed web pages with Bootstrap and SASS preprocessor

Dev lead & Tutor — *Tutopoint, Seattle, Washington*

December 2019 — Present

Tutoring platform by College Students — tutopoint.com

- Lead a team of 3 to create a scalable structure using MERN stack.
- Designed and implemented a test driven automation framework.
- Created and Deployed scripts for continuous integration and deployment to Amazon AWS.

Software Engineer — *Numbered Notes, Seattle, Washington*

October 2019 — January 2020

A music company that provides teaching material to students — numberednotes.com

- Developed the iOS application from the ground up using Swift, and SpriteKit. Designed Client to communicate with the backend.
- Built and Maintained web app which utilized React.
- Utilized Haskell, and cron jobs to create an automated translation microservice which translated generic music notation to numbered notes, organize based on genre, and create metadata.

Freelance

July 2015 — Present

- Designed and maintained web pages using PHP, and Laravel framework
- Designed and maintained wordpress websites
- Created microservices using C/C++ that interfaced with APIs
- Communicated to customers to tailor applications based on their requirements.

EDUCATION:

Bellevue College

September 2019 — 2020

- Completed credits towards a BS in Computer Engineering

Bellevue High School — High School Diploma

September 2015 — 2019

- 9 APs, graduated with honors.

PERSONAL PROJECTS:

Self driving car

- Reversed engineered CAN signals from Bosch & Toyota embedded systems.
- Currently working on fabrication of converter plates for Bosch iBooster systems to fit in traditional vacuum boosted cars.

Keyboard project

- Designed keyboard wiring, and layout in AutoCAD
- Used Teensy (Arduino clone) microcontroller to program the keyboard

Mosachi

- Reversed engineered gradebook api using MITM to create a gradebook calculator using Elixir, and Phoenix framework (MVC)

LANGUAGES AND TECHNOLOGIES:

Scripts: Bash, C#, C/C++, Elixir, Erlang, Haskell, Java, Javascript, Lua, Obj-C, PHP, Python, Terraform, Ansible and Swift

Databases: Postgres, MySQL, Cassandra, MongoDB, DynamoDB, AWS S3, Redis, and RabbitMQ

Frameworks: Angular, ASP.NET, Django, Express, GTK, Laravel, Phoenix, QT, React, Vue, and Yesod

Operating Systems: Debian, Kali, Linux, MacOS, RedHat, Windows, and Windows Subsystem Linux

Embedded Technologies: Arduino, Raspberry Pi, and STM32

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Miscellaneous: AutoCAD, CANBus, Google SketchUp, and WireShark