SANADJ THAPA

Portland, Oregon, 97230

Programming Systems Web Development Front End Development

CONTACT

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EDUCATION

Bachelor of Science in Computer Science

Portland State University

Sept 2018 – June 2023
GPA: 3.28

Associate of Science - 2018
Portland Community College
2015 – 2018

Technical/ Programming Skills

JavaScript, C++, C, Jira, jQuery Git Version Control, Next JS, Node JS, React, Bootstrap, Sails JS, MongoDB, MySQL, CICD, Next JS, DevOps, Mocha, Stored Procedure, Chai.js, AEM, Java, RUST, Python, Cloud Foundry, HTML, CSS, Nock, Async Calls, RESTful API, GitHub Actions, Microservice, Power BI, Ajax, Adobe Experience Manager (AEM)

Relevant Courses

Object-Oriented Programming Operating System Data Structures Software Development Cycle SQL and Non-SQL Databases Discrete Structures

Interpersonal Skills

Collaboration Team Player
Conflict handle, Research
Problem-Solving Bilingual Communication

CAREER OBJECTIVE

To secure a Software Engineer role where I can bring my experience from Intel and Apcon to a dynamic and innovative team of software engineers, use my expertise in designing and developing software solutions, learn from other experienced team members, and acquire skills that can shape me as a professional.

WORK EXPERIENCE

I. Software Engineer, APCON Inc. (2023 Feb to Current)

Responsible for building a **customer Service website** using **Next.js, MongoDB and Tailwind CSS** in order to **cut cost** by replace using third party customer website to communicate with customers.

II. Software Application Development Engineer, Intel Corporation (2022 Jan – Dec 2022)

- As a part of the Customer Experience Team, collectively worked on improving **Intel.com Web development** Space by **automating** development practice and **reverse engineering** functionality into **microservice** to offload resources from intel's enterprise servers.
- Built a **Microservice** to **offload functionality and SQL Stored Procedure Database** resources from intel's enterprise server into a **Node JS Microservice** which helped reduce the load and publish webpages faster.
- Participated in **DevOps** supporting in **automating** the development by creating the **GitHub/Jira - Node JS Integration** app to send **notifications** to developers of any file changes or user story comments and storing the changes in Mongo DB.
- Developed **Microservice backend** by connecting to **Multiple APIs and databases** and **added Cache Layer** with Timer to Increase the efficiency and speed of the Application.

- Participated in **Agile Software** Development environment and practiced daily **SCRUM** meetings to **plan, estimate and retrospect** sessions and tracked assignments using **Jira** and **participated in code deployment** using **GitHub Actions and Cloud Foundry** to production.
- Participated in **mentoring two new interns** to ramp them up to speed on **intel.com** infrastructure, architecture, and internal Tools, and **Code Reviews of new interns** to ensure a healthy codebase, knowledge sharing, and Collaboration along with **training** them with the **internal code framework and unit testing** with **high code coverage and best dev Practice.**
- Created Java servlet using **Object-Oriented** method and added unit testing for it to fetch data through this endpoint for **Adobe Experience Manager** Content Management System.

III. Linehaul Coordinator, FedEx (2019 Dec to 2021 Dec)

Responsible for setting up and supervising all aspects of the FedEx Logistics linehaul operation and monitoring facility reporting metrics related to service, safety, cost, and quality.

Relevant EXPERIENCE / Projects

I. Computer Vision, Machine Learning (Software Dev Capstone Project) (June 2021 - December 2021)

- Trained an Image Classifier for an Oregon Based Video Processing company Sightline applications to identify cars and Humans and **document confusion matrix** and test results.
- Put together a dataset of images, cleaned it, and modify the raw data using **Python Script** to fit the dataset used for the training model by retuning, and retesting the Image classifier.
- Participated in brainstorming in weekly **SCRUM** team meetings with a team of 6 members to discuss our approach to problem-solving and reaching our goal accuracy.

II. Full-Stack Development (Software Dev Class Projects 2021 - 2022)

- **Chat App (MERN Stack)** - Built frontend and backend for an instant messenger chat app using MongoDB, Express, React, and Node JS that allowed users to create accounts and verify them using authentication and allowed attendees to chat with each other. This app is limited in functionality which utilizes socket.IO.
- **Guess the word Game (socket.IO)** - Built a Nodejs, Socket IO-based game where more than one player can get into a chat room to play the Guess the word to earn points to win. This app is limited in functionality but utilizes Socket IO's.
- **Currency exchange App (Chart.JS)** - Built a currency exchange app that fetches data from currency API and utilizes chart.js and bootstrap framework to visualize each of them animated and customizable bar, line, or pie chart.
- **Google Maps Platform 101 (Google Map API)** - Added a Google Map to my website by using Map JavaScript API from google and bootstrap which enabled me to use the feature of google maps to track my favorite places located near me.