Andrew **Rose**

JUNIOR SOFTWARE DEVELOPER

Bellingham, WA

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Work Experience

Saturna Capital
Bellingham, Washington

JUNIOR SOFTWARE DEVELOPER
June. 2022 - Present

- Contributed to the development and launch of a new in-house investment savings account product that was responsible for handling investment transactions, transfer of funds, automatic payroll processing, and account security.
- Developed a robust and scalable API with PostgreSQL, that utilized a microservice architecture and RabbitMQ messaging broker to ensure high availability and fault-tolerant messaging.
- Actively participated in agile methodologies, including daily stand-ups, sprint planning, and retrospectives, to ensure the timely delivery of high-quality software.
- Implemented automated testing using JestJS, and included coverage outputs as metric in GitLab merge requests.
- Demonstrated exceptional problem-solving skills and a strong aptitude for learning new technologies and tools to consistently meet project objectives and exceed customer expectations.

Swinomish Casino and Lodge
Anacortes, Washington

AV/IT TECHNICIAN
Jan. 2019 - June 2022

- Automated network tasks using Bash and Python, and managed MySQL relational databases.
- Managed over 250 employee accounts and 500 network devices with Active Directory.
- Significantly reduced deployment time for Windows system and softwware updates via Powershell.
- Lead the imaging and deployment process for new Windows 10 machines.
- Deployed and upgraded servers, configured switches, and maintained network responsiveness

Education

Western Washington University
Bellingham, Washington

B.S. IN COMPUTER SCIENCE · MATHEMATICS MINOR
Sept. 2017 - Dec. 2022

- Relevant Coursework: OOP Design, Secure Software Development, Database Systems, Data Structures, Analysis of Algorithms, Linear Algebra, Probability and Statistics, Multivariable Calculus

Personal Projects

Algorithmic Trading Bot

PYTHON

- A backend tool that will place automated equity buy/sell orders on the NYSE with the help of multiple trading strategies. Utilizes InteractiveBrokers API to initiate orders, and backtesting to determine the viability of a strategy. Provides a "fake-money" environment and a production environment.

Finance Tracker

TYPESCRIPT · POSTGRESQL · REACT

- A full-stack financial tracking web application that leverages the Plaid API to securely authenticate and retrieve financial data from a user's bank account. The user-friendly web interface provides a clean dashboard to view all income and expenses, grouped by user-defined categories.

IT Support Ticket Display

PYTHON · MYSQL

- A program that queries support ticket databases and presents a clean, priority-based and organized view of open tickets. This application was built for the Swinomish Casino and Lodge and was used throughout multiple departments.

Skills

Programming	TypeScript · React · NextJS · NestJS · Python · Java · C++ · C · Bash · HTML/CSS
Analytics	MySQL · SQL Server (SSMS) · PostgreSQL
Tools	Git · Docker · JIRA · Unix · CI/CD · Microservice Architecture · Agile Methodology