
EDUCATION**Oregon State University – Corvallis, OR GPA: 3.53**

B.S. Computer Science & B.S. Mathematical Economics

Theta Chi Fraternity | President**Del Sol Aviation – Albuquerque, NM**

Private Pilot License (VFR)

PROGRAMMING SKILLS

| | |
|---|--|
| <i>Back-End Programming</i> | ➤ Node.js, Python, GoLang, C++/C#, JSON/Rest API, Bash |
| <i>Front-End Programming</i> | ➤ ReactJS, HTML, JS, CSS, Django Templates, Jinja2 |
| <i>AI Software Engineering Tools</i> | ➤ Cursor, ChatGPT, GitLab Duo, Trained AI Models, Galileo AI |
| <i>Databases</i> | ➤ AWS S3, MongoDB, PostgreSQL, MySQL, Object-Relational Mapping |
| <i>Server Environments</i> | ➤ AWS EC2, AWS ECS, Linux, ASP.NET, Microsoft IIS |
| <i>Server Deployment Automation & SCM</i> | ➤ Terraform, Docker, Ansible, Git, SVN |
| <i>Libraries & Frameworks</i> | ➤ Node.js (Express, Nest, Sails Kafka), Pandas, NumPy, SciKit-Learn, Django, Flask |

WORK EXPERIENCE**Verizon – Cellular Data (Remote)****Lake Mary, FL***Tech Lead Engineer – Webapp Database Data Visualization Tools*

December 2023 to Present

Python, Node.js, React | Data Visualization, SQL, Tableau | Cloud Technologies, API Development

- Design and develop scalable database visualization tools to enhance data analysis and decision-making
- Develop and enhance REST APIs using Python and Node.js for seamless data visualization and manipulation
- Build and maintain React-based dashboards for real-time monitoring of network data and event handling
- Implement ETL pipelines for efficient processing of large-scale cellular data and optimize data accuracy performance
- Create proprietary Python data analytics library modules to streamline data processing and advanced visualization capabilities

EUC – Automated Digital Wallet Payments - FinTech Side Project (Remote)**Lake Mary, FL***Lead Software Engineer – <https://www.euc.life/>*

July 2023 to Present

Technology Leadership | AI & Cloud Strategy | Product Development | FinTech Technology Applications

- Collaborated with a team of developers to study AI-driven financial automation using cloud-native architectures
- Built a digital wallet platform to automate financial transactions, optimizing AI for efficiency and accuracy
- Designed and tested scalable cloud infrastructure, optimizing security, performance, and transaction efficiency
- Developed and iterated on backend and frontend systems using modern tech stacks for real-time transactions

BNY Mellon – Wealth Management Technology**New York, NY***VP Software Engineer – Full-Time*

March 2022 to September 2023

Lead Product Engineer | Front & Back End Applications | AWS Cloud Platform | Node.js, ReactJS, Python, Docker

- Built Cloud CI & CD software products and platforms for Wealth Management Services – used in branch client operations
- Wrote front end ReactJS apps and Python Backend code to multiple repos into globally accessible cloud microservice platforms
- Worked with other teams to prioritize LOB objectives for the fiscal year goals - optimize calendar delivery timelines
- Implemented code integrations from software acquisitions into current software product lines and internal applications

Bank Of America – Prime Brokerage**New York, NY***Senior API Software Applications Engineer – Full-Time*

November 2020 to March 2022

Python3, CICD, API Design & Engineering | Application Engineering, Product Development, Team Structuring / Training

- Lead API Engineer for BofA's Prime Brokerage EQSDATASTR API technologies – **Built 'Aviators' new API triad dev team**
- Engineered API architecture for new API products internal to BofA – updating BofA PB data processes and operations:
 - Developed API CICD, built out code for new repos, chose appropriate libraries/frameworks, and designed new URI routes
 - Communicated with team members and management to coordinate new technology processes and integration flows
 - Trained new hires and existing team members on python, API applications, and CICD deployment patterns for development

BNP Paribas**New York, NY***Full Stack Trading Systems Developer (Fixed Income) – Full-Time*

June 2017 to December 2017

Python3, C++ .dll, JS, HTML/CSS | Object-Oriented & Procedural Programming | Windows IIS / SVN, Jira | Django

- Worked on the BNP Radial project converting Excel/VBA programmed sheets to Python streamlining market data publishing
- .py scripts imported C++ .dll's used by scheduled Excel sheets to report EOD US Treasury quotes for BNP's pricing publication
- Continued development of the Radial Dashboard GUI (Django) used to monitor script status, performance, and job completion.

Full Stack Trading Systems Developer (US Equity Derivatives) – Full-Time

August 2016 to June 2017

Python2, JS, HTML/CSS, AngularJS | Object-Oriented & Procedural Programming | Linux | Git, Jira | Ansible

- Created new and updated existing proprietary BNP Trading Client-Server applications used internally by traders and desk heads
- Collaborated with traders and heads throughout the week to improve applications for trading efficiencies when reporting PNL, displaying market data, placing trades, pricing option contracts, automated alerts, and chat communication parsing