
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>Languages & APIs</i>	➤ Python, Go, Node.js, C++/C#, Bash, REST/JSON
<i>Frameworks & Tools</i>	➤ React, Flask, Django, Express, NestJS, Pandas, NumPy, Scikit-learn
<i>Cloud & Infrastructure</i>	➤ AWS (EC2, ECS, S3), Docker, Terraform, Ansible, Linux, Git, GitLab CI/CD
<i>Databases & Data Modeling</i>	➤ PostgreSQL, MySQL, MongoDB, AWS S3, ORM (SQLAlchemy, Django ORM)
<i>AI & ML Tools</i>	➤ Trained AI Models, ChatGPT/Grok/Claude, Cursor, Quantum Logic Engines

WORK EXPERIENCE

Verizon – Cellular Data (Remote) **New York, NY**
Lead Engineer – VPT (Venue Performance Tool) December 2023 to Present

Python, Node.js, React | SQL, Tableau | ETL Pipelines, Cloud Infrastructure, API Engineering

- Led engineering for VPT, Verizon's internal tool for real-time performance monitoring of venue hardware infrastructure.
- Supported NFL, MLB, and other high-traffic venues by analyzing telemetry and upgrade data to ensure network reliability.
- Built real-time dashboards in React for tracking network metrics, upgrade status, and event-specific performance anomalies.
- 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) **New York, NY**
Lead Software Engineer – <https://www.euc.life/> July 2023 to July 2025

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 August 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 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.