Daniil Baydak

Seattle, WA | (360)-391-0574 | baydadan001@gmail.com | linkedin.com/in/daniilbaydak | danbaydak.com

EXPERIENCE

Software Engineer @ Ncino | Nov 2021 – Nov 2024
- Optimized complex financial systems by refining CECL calculation engines using **Python (Pandas, NumPy), Django REST APIs, Java, and Spring**, reducing calculation times by over 50%.
- Architected scalable data processing pipelines with **Python, Django, Apache Spark, AWS, Redis**, increasing batch processing speeds by 80% and reducing runtimes by hours per day.
- Led frontend initiatives using **JavaScript (React, TypeScript)** to enhance dashboards and workflows, reducing automated testing times by 60% and improving financial system interactions.
- Created clean user interfaces, charts, graphs, and data displays with HighCharts
- Automated testing pipelines with **Python (Selenium, PyTest)**, increasing coverage and reducing deployment times by several hours. Strengthened debugging workflows to improve system stability.
- Streamlined deployment processes via **Docker, AWS, and CI/CD pipelines**, enhancing operational efficiency and accelerating iteration cycles.
- Collaborated with cross-functional teams to improve UI/UX through **JavaScript and Django templates**, enhancing accessibility and usability across key application flows.

Software Test Engineer Intern @ Emburse | Sep 2020 – Sep 2021
- Automated UI Regression testing (Selenium, Robot Framework, Python, Postman), increasing test coverage of expense reporting systems to 100%.
- Validated and tested secure payment processing systems, ensuring compliance with OWASP and CWE standards.
- Tested and validated PHP-based front-end components, improving reliability and performance by identifying and resolving UI regressions early in the development cycle.

PROJECTS

Personal Home Lab Server | Aug 2025 - Current
- **Built a personal homelab server rack** simulating production environments by deploying VMs and containers (Proxmox, Docker) for services including Pi-hole, OctoPrint, Minecraft, and full-stack web/database apps; integrated monitoring/alerting, automated provisioning, and network-wide DNS filtering to strengthen DevOps, observability, and infrastructure-as-code practices.
- Technologies Used: Linux, Ubuntu, Proxmox, Docker, PiHole, Containerization, DDI, DHCP, DNS, Cloudflare, Server Hosting, Cloudflare, PiHole, Octoprint, Virtual Machines, Networking

Even Realities Integration App | Feb 2025 - Current
- Developed a mobile application to connect with Even Realities glasses, enabling the display of custom images and real-time information.
- Technologies Used: Java, Bluetooth Connection, Data Payloads, SMS, Android

EDUCATION

Neumont College of Computer Science | Sep 2018 - Sep 2021
Bachelor of Science - Magna Cum Laude,
Relevant Coursework: Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

SKILLS & CERTIFICATIONS

Programming: Python, Java, JavaScript, TypeScript
Frameworks: React, Vue.js, Flask, Django, Spring Boot
Data & ML: Apache Spark, Hadoop, SQL (PostgreSQL, MySQL, DynamoDB), Statistical Modeling & AI coursework
Systems & Tools: Linux/Unix, Docker, Jenkins, AWS (EC2, S3, Lambda, EMR), Redis
Testing: Selenium, JUnit, Cypress, Puppeteer
Additional exposure: PHP, C#, R, Go
Version Control: Jira, Github, Git Commands