Ian Hammerstrom

ihammerstrom@icloud.com
+1 206-658-3172
https://www.linkedin.com/in/ihammerstrom/
Poster scanning app: https://localposters.org
Folding bike company: https://jcat.bike

Overview	Software engineer with experience across the technological stack, ranging from writing low level networking daemons in Python for Linux, to Golang microservices on Kubernetes, backend development in Kotlin/Java, to full stack web applications using Python (Flask and Django REST Framework) and TypeScript/JavaScript (React.js/React Native) with MongoDB or PostgreSQL. Developed for mainly Linux, often using Docker, on both AWS and VPS's.
Technical knowledge	• **Python, TypeScript/JavaScript/React, Java/Kotlin, C & C++, Bash, Golang,** C# • Linux development and automation • Computer security / Threat Modeling • Docker containers • AWS • Computer Networking • Algorithms & data structures • Machine learning and applied data science • Project management • Basic circuit design and microcontroller programming • Git, Slack, Microsoft Teams, Zoom, Trello, Jira, Confluence
Education	**B.S. Computer Science (Data Science focus), Western Washington University** - June 2016 ReactJS Quantum Degree, Next Academy - July 2019

Company	Roles

2 Startups / Other Projects
6/2022 - current
(Remote)
	• **Founder / Software Engineer (+ Manager & Project Manager) - LocalPosters**
	  • Founded LocalPosters, a company / app to help people translate event posters / wedding invitations / written events in any form to calendar events: https://localposters.org/
	  • Wrote initial code (Python Django / React Native TypeScript / PostgreSQL), and later hired a Software Engineer full time to speed development.
	• **Founder / Software Engineer - EasySignal**
	  • One of a four person founding team which designed/implemented/launched a financial recommendation subscription service. Has since been shut down due to low margins. Node.js/React.js/HTML/CSS/MongoDB.
	• (Other projects: Learned Spanish to a C1 level, DIY'd duplex into a triplex, and designed/built a backyard cabin)

Amazon
10/2020 - 6/2022
(Remote)
	• **Software Engineer II**
	  • Designed and implemented the dataflow of the per-item Prime Badge data from Amazon.com core services to the Buy With Prime checkout page. (On a Java/Kotlin service on AWS ECS) (https://buywithprime.amazon.com/)
	  • Designed and implemented the customer address integration between Amazon Retail and Buy with Prime, conforming to all business and legal/privacy GDPR/CCPA requirements (Java/Kotlin on AWS ECS)
	  • Created Threat Model Assessments for both PreCheckout and Checkout Prime core teams.

Microsoft
3/2020 - 10/2020
(Remote)
	• **Software Engineer**
	  • Working in C#/.NET on Microsoft Azure's Privileged Identity Management team, worked on providing role-based access control using time-based and approval-based role activations to control resources in the Azure cloud.
	  • Designed and implemented multi-stage just-in-time approvals for Azure's role-based access control.

Tableau Software
6 month contract
9/2019 - 3/2020
	• **Software Engineer Contractor**
	  • Working as a very full-stack engineer on a web application with a backend in Python (Django REST Framework), frontend in Javascript (React.js), used to run tests in Docker containers on AWS.
	  • Designed/implemented/launched a test finding service that builds a dependency graph in Neo4j from a Python codebase and queries this graph to find and launch any tests that are relevant for a given set of changed files in a Gitlab merge request. Built using Docker as part of a pipeline in Gitlab.

jcat.bike
3/2019 - 4/2022
	• **Founder / Software Engineer**
	  • Founded a folding bicycle company (https://jcat.bike) while on a year-long overland journey from Scotland to Singapore.
	  • Involved meeting and working with a factory in Tianjin, China, creating and maintaining a full stack Python Flask/React web app, creating advertising content, and direct-to-customer sales - both shipped and in-person in Seattle.

F5 Networks
6/2016 - 6/2018
	• **Software Engineer II (9/2017 - 6/2018)**
	  • Worked on a growing team creating a product composed of microservices written in Golang in a Docker/Kubernetes environment on AWS.
	  • Designed and implemented a duplicate address detection daemon in Python for the BIG-IP Linux OS.
	  • Worked as a "Security Ninja" to help review Threat Model Assessments and software designs for potential vulnerabilities.
	• **Software Engineer I (9/2016 - 9/2017)**
	  • Worked on a team developing a Python Linux daemon to synchronize configuration data between a database and Layer 3 routing daemons.
	  • Various software fixes in a very large C codebase.
	• **Software Engineer Intern (6/2016 - 9/2016)**
	  • Designed and implemented a transcompiler to convert customer routing configurations from legacy to a modern format.