

Ian Hammerstrom

<https://www.linkedin.com/in/ihammerstrom/>

 Poster scanning app: <https://localposters.org>

 Seattle-based folding bike company: <https://jcat.bike>

 Updated resume available at: <https://ihammerstrom.github.io/resume/>

Overview	<p>Very full stack Software Engineer, with experience ranging from writing low level L3 and L2 networking daemons in Python on Linux, to containerized 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/React Native) with MongoDB or PostgreSQL, often using Docker, on both AWS and VPS's.</p> <p>Experience building new products end to end from absolute 0 to 1, as well as implementing features within large established products. Including experience with mentorship and project management.</p>
Technical knowledge	<ul style="list-style-type: none"> • Python, TypeScript/JavaScript/React, Java/Kotlin, C & C++, Bash, Golang, C# • Linux OS 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	<p>B.S. Computer Science (Data Science focus), Western Washington University - June 2016</p> <p>ReactJS Quantum Degree, Next Academy - July 2019</p>
Company	Roles
2 Startups / Other Projects 6/2022 - current (Remote)	<p><u>Founder / Software Engineer (+ Manager & Project Manager) – LocalPosters</u></p> <ul style="list-style-type: none"> • Founded LocalPosters, an app that converts event posters, wedding invitations, and written events into calendar events using LLMs. Built the initial stack (Python Django, React Native, PostgreSQL) and later hired a full-time engineer. Launched on iOS & Android. https://localposters.org <p><u>Founder / Software Engineer – EasySignal</u></p> <ul style="list-style-type: none"> • Co-founded and launched a financial recommendation subscription service (now shut down due to low margins). (Node.js, React.js, MongoDB) <p>Other Projects: Learned C1 level of Spanish, DIY'd duplex into triplex, designed/built a backyard cabin.</p>
Amazon 10/2020 - 6/2022 (Remote)	<p><u>Software Engineer II</u></p> <ul style="list-style-type: none"> • Designed and implemented the data flow for per-item Prime Badge data from the core Amazon.com services to the Buy With Prime checkout page (Java/Kotlin, AWS ECS). buywithprime.amazon.com • Built the customer address integration between Amazon Retail and Buy With Prime currently used by millions of Prime members, ensuring fulfilling both business and legal (GDPR/CCPA) requirements. • Built front end metrics into the checkout experience in React to surface errors to Buy With Prime dashboards. • Led Threat Model Assessments for PreCheckout and Checkout Prime core teams.
Microsoft 3/2020 - 10/2020 (Remote)	<p><u>Software Engineer</u></p> <ul style="list-style-type: none"> • Implemented multi-stage approvals for role-based access control (RBAC) for Microsoft Azure Privileged Identity Management (PIM) using C#/NET. https://learn.microsoft.com/en-us/entra/id-governance/create-access-review#create-a-multi-stage-access-review
Tableau Software 6 month contract 9/2019 - 3/2020	<p><u>Software Engineer Contractor</u></p> <ul style="list-style-type: none"> • Built a web application on a two-person team with a Python Django REST Framework backend and React frontend for running tests in Docker on AWS. • Designed and launched a test-finding service that builds a dependency graph in Neo4j from a Python codebase to identify and run relevant tests for changed files in GitLab merge requests. Integrated into a Docker-based GitLab pipeline. Reduced testing time from potentially 2+ hours to as little as 30s for most changes, rather than 2+ hours every time.
jcat.bike 3/2019 - 4/2022	<p><u>Founder / Software Engineer</u></p> <ul style="list-style-type: none"> • Founded a folding bicycle company while traveling overland from Scotland to Singapore. https://jcat.bike • Worked with a factory in Tianjin, China in person to manufacture the bikes. • Built and maintained a Python Flask/React web app with Stripe checkout API integration. • Managed advertising, direct-to-customer sales, and fulfillment (online and in-person in Seattle).
F5 Networks 6/2016 - 6/2018	<p><u>Software Engineer II (9/2017 - 6/2018)</u></p> <ul style="list-style-type: none"> • Developed networking microservices in Golang on a Docker/Kubernetes environment in AWS. • Built a duplicate address detection daemon in Python for BIG-IP Linux OS. • Served as a "Security Ninja", reviewing Threat Model Assessments and software designs for vulnerabilities. <p><u>Software Engineer I (9/2016 - 9/2017)</u></p> <ul style="list-style-type: none"> • Developed a Python daemon to sync configuration data between a database and Layer 3 routing daemons. • Worked on C codebase bug fixes in a large custom Linux OS. <p><u>Software Engineer Intern (6/2016 - 9/2016)</u></p> <ul style="list-style-type: none"> • Designed and implemented a transcompiler in Python to convert customer routing configurations from legacy to a modern format.

