

# Joshua Loew

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## EXPERIENCE

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### REEKON Tools

Jun. 2022 – Present

*Lead Software Engineer*

Boston, MA

- **ROCK Jobsite:** Bootstrapped, architected, and shipped REEKON's inaugural software product — a cross-platform companion app for Bluetooth measuring tools enabling measurement capture, team collaboration, and photo annotation. Grew to **6K MAUs**, **60K+ tools** in the field, and a **4-star** App Store rating across **100+ reviews**. Automated store deployments via Fastlane.
- **BOLDR Pro:** Extended ROCK Jobsite into BOLDR Pro, a construction project management platform. Architected multi-tenant organization support and extensible architecture for a growing hardware catalog. Configured zero-touch OTA deployments via Expo EAS.
- **FindMy Token Authorization Server:** Built a token authorization server to Apple's FindMy specification, integrated into the PCBA manufacturing process to provision FindMy network tokens directly to devices at the line.
- **MOUNTN:** RAG-powered content platform (Django, pgvector, Fly.io) applying YOLO object detection across thousands of social videos to generate vector-indexed product descriptions, served via Shopify proxy.
- **Forge:** Maintain factory QA tooling orchestrating device manufacturing, QC, and firmware provisioning. Built a firmware upgrade pipeline for in-field devices; integrated with ROCK and BOLDR across the product lifecycle.

### NTT Disruption

Sep. 2020 – May 2022

*Software Engineer*

Remote

- **Jibo:** Audited the Jibo initiative across architecture, stack, and org structure. Identified multitenancy as a critical capability gap; implemented a multitenant admin portal and extended the skill developer IDE with multi-organization access controls.
- **Growthland:** Sole front-end engineer; built the production React application from design mockups. Recruited and onboarded a replacement engineer to own the product at completion.
- **rights.io:** Built initial prototype from MVP spec; led back-end migration from Symfony to Django as the team scaled. Developed Selenium scrapers to automate brand data collection.

### Setfive

Feb. 2017 – Aug. 2019

*Software Engineer*

Cambridge, MA

- **oneZero Financial:** Built a nightly reporting pipeline aggregating trade volume from a foreign exchange hub against end-of-day roll-up tables via Symfony console commands.
- **My ACP Decisions:** Full-stack platform for hospice clinicians to distribute curated video playlists to patients. REST API served Angular, iOS, and Android clients; integrated cloud backups and third-party survey collection.

## EDUCATION

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### Union College

Aug. 2014 – May 2018

*Bachelor of Science in Computer Science & Visual Arts*

Schenectady, NY

- **Leadership:** Resident Advisor, member of Omicron Delta Kappa National Leadership Honor Society

## SKILLS

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**Languages :** Python (Django), TypeScript (React Native, Node.js), Elixir (Phoenix), SQL, PHP (Symfony)

**Tools :** AWS, Google Cloud, Fly.io, Firebase, MongoDB, RabbitMQ, pgvector, Fastlane, Expo EAS, Ultralytics YOLO, Selenium, Shopify

## PERSONAL

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Completed the **Great Divide Mountain Bike Route** (2,745 mi) as an unsupported solo rider on a self-built bicycle. Built a geospatial photo-tagging app in Elixir/Phoenix with Uber H3 for hexagonal spatial indexing.