

Nigel Harsch - Software Engineer

Oak Park, IL

nigelharsch [at] gmail.com | nigelharsch.com | [LinkedIn](#) | [GitHub](#)

Software engineer with 9+ years of experience building high visibility ecommerce sites. Expert in full-stack development, data engineering, and product management with a strong focus on functional programming and data-driven solutions.

Skills

- Leadership: Project Management, Communication, Problem Solving, Technical Writing and Documentation, Pair Programming, Code Review
- Languages: Clojure, Clojurescript, Python, Javascript, Typescript
- Data / Backend: SQL, PostgreSQL, Datascript, Kafka, Kinesis, SQS, Linux, Bash
- Frontend: React, Redux, UIX, Datascript
- Cloud / Devops: Docker, Terraform, AWS, ECS, RDS, Kubernetes
- Libraries and Frameworks: Django, Django-Oscar, Wagtail, Honey SQL, Next.js, Objection.js

Work History

thelab

Technical Product Manager

2023 - Present

- Serve as primary technical liaison between engineering teams and clients
- Lead requirements gathering, project planning, and feature scoping for new development initiatives
- Define scope and technical architecture for large-scale projects
- Drive Agile Sprint planning and coordinate cross-functional team deliverables
- Design and deliver KPI reports and data visualizations to track product performance
- Developed automated browser tests using Playwright
- Tools used: Redmine, Mermaid.js, Playwright, Obsidian, Grafana

Cedar Pine Consulting

Consulting Data Architect

2022 - Present (part time contract work)

- Design and implementation of custom "Form Builder" Application
- Review pull requests
- Work directly with client on requirements gathering
- Research and implement data reporting tools
- Built CI/CD pipelines to support automated ECS deployments
- Maintain core client database
- Built out AWS infrastructure with devops tools
- Tools used: AWS, Terraform, Javascript, Next.js, Objection.js, Knex, React, JSON Schema, PostgreSQL

Vallen

Data Engineer / Clojure Programmer

2023 (one year contract)

- Contributing developer to data warehouse for large enterprise corporation
- Lead major refactor of core data warehouse application
- Tools used: Clojure, Honey SQL, Specter, PostgreSQL, Azure, Kubernetes, Terraform

Senior Engineer

2020 - 2022

- Promoted internally from Full Stack Developer
- Lead team of 5 developers
- Review merge requests, pair program, onboarding and training new developers
- Delivered features and maintained 4 high visibility ecommerce sites (> \$1m/mo average sales)
- Oversaw development for core platform features
- Wrote Unit Tests, CI/CD tests
- Requirements gathering and feature ideation with clients
- Open source contributions to the Django-Oscar and Wagtail ecosystem
- Tools used:
 - Python, Django, Django Rest Framework, Wagtail, Django-Oscar
 - TypeScript, React, Redux
 - Docker, docker-compose, Terraform, AWS

Full Stack Developer

2016 - 2020

- Full-stack development on high volume ecommerce sites and supporting microservices
- Contribute to and maintain open source libraries
- Developed custom integrations with client data sources

Interests

Functional Programming, Data Driven Development, Graph Databases, State Machines

Education

North Park University

B.A. Communications, 2010