

# Nigel Harsch - Software Engineer

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Oak Park, IL

[nigelharsch.com](https://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

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- **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

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#### Technical Product Manager

2023 - Present

- Main technical liaison for clients
- Requirements gathering, project planning, scoping new features
- Scoping large projects
- Agile Sprint planning
- Creating KPI reports and data visualizations
- 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
- 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

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#### Senior Engineer

2020 - 2022

- Promoted internally from Full Stack Developer
- Lead team of 5 developers
- Delivered features and maintained 4 high visibility ecommerce sites
- Oversaw development for core platform features
- 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

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

## Education

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### North Park University

B.A. Communications, 2010