

Nigel Harsch - Software Engineer

Oak Park, IL

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Professional Summary

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

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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2023 - Present

Technical Product Manager

- 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

2022 - Present (part time contract work)

Consulting Data Architect

- 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

2023 (one year contract)

Data Engineer / Clojure Programmer

- 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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2016 - 2022

Senior Engineer

- 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

- 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