Nathan McCandlish

Senior Software Engineer

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SUMMARY

Pragmatic full stack engineer and mentor with 8 years experience championing best practices and guiding teams to deliver robust solutions.

SKILLS

Languages: Python, Postgres, Typescript, React, GraphQL, Javascript, Bash

Tools/Frameworks: SQLAlchemy, AWS, Pytest, Git, Github, Kubernetes, Docker, Jira, Django, Celery, nginx, Redis, Linux, CircleCI, Jenkins, Github Actions, Jest, REST

EXPERIENCE

Juniper Square

Senior Software Engineer — Apr 2020 - Feb 2023

- Spearheaded delivery of key engineering projects including asset reporting, Looker integration, Outlook add-in, and customizable SSO integration. Partnered cross-functionally with QA, product, design, and CS to understand requirements and promote smooth delivery.

- Enabled critical functionality for major customers by resolving complex database performance issues through query optimization and efficient caching, improving speeds by over 50x.

- Coordinated upgrades to Python 3.2$\rightarrow$3.8, Postgres 10$\rightarrow$14, and cut CI times by 70%+.

- Provided technical leadership and mentoring across fast-growing engineering team. Empowered colleagues to overcome obstacles through diligent architecture and code reviews focused on improving overall quality, test coverage, and adherence to best practices.

Aperio Group *(acquired by BlackRock)*

Senior Full-Stack Software Engineer — June 2018 - Apr 2020

- Collaborated with Portfolio Management and Research teams to build and implement project requirements for Aperio's proprietary trading platform.

- Served as lead engineer for project of storing, processing, and optimizing portfolios using a new ESG (Environmental, Social, Governance) investing data source.

- Proposed and lead improvements for engineering standards, tooling, and processes.

Bizowie Cloud ERP

Software Developer — Mar 2015 - June 2018

- Gathered requirements and developed functionality for areas of business including accounting, CRM, inventory management, pricing, purchasing, AP/AR, and manufacturing.

- Designed and implemented modular data import system, reducing development time to onboard new clients from days to minutes.

- Quickly identified and resolved production issues e.g. bugs, deadlocks, and failing messages.

EDUCATION

The University of Pittsburgh — Apr 2014

Bachelor of Science *summa cum laude* in Mathematics, Minor in Economics