

# Nathan McCandlish

Senior Software Engineer

nsmccandlish@gmail.com  
linkedin.com/in/nsmccandlish

## SUMMARY

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Pragmatic, product-focused full stack dev with 8 years experience delivering robust solutions  
& promoting best practices

## SKILLS

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**Languages:** Python, PostgreSQL, Typescript, React, GraphQL, Javascript, Bash, Perl  
**Tools/Frameworks:** SQLAlchemy, AWS, Pytest, Git, Github, Kubernetes, Docker, Jira, Django, Celery, nginx, Redis, Linux, CircleCI, Jenkins, Github Actions, Jest, REST

## EXPERIENCE

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### Juniper Square San Francisco, CA

#### Senior Software Engineer

Apr 2020 - Feb 2023

- Served as technical lead, speccing and delivering key engineering projects such as asset data reporting, looker integration, outlook add-in, and customizable SSO integration
- Pushed for continuous improvement: initiated the upgrades of python/postgres versions, decreased CI turnaround time by 70%, drove zero-downtime deployments, and improved performance of many pages by 90%+ through backend/query optimizations
- Recognized as a technical and thought leader. Promoted best practices and higher engineering standards, performed design reviews across teams, and mentored colleagues

### Aperio Group LLC, Sausalito, CA

#### 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 new ESG investing data source
- Proposed and lead improvements for engineering standards, tooling, and processes
- Mentored other engineers and reviewed code to promote standards and maintainability

### Bizowie Cloud ERP, Pittsburgh, PA

#### Development Lead

Apr 2017 - June 2018

#### Software Developer

Mar 2015 - Apr 2017

- 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 bring in a new client from days to minutes
- Quickly identified and resolved production issues e.g. bugs, deadlocks, and failing messages

## EDUCATION

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### The University of Pittsburgh

Apr 2014

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

**Culver Award** - University of Pittsburgh Mathematics Department

Apr 2014