Nathan McCandlish
Senior Software Engineer

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SUMMARY

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

SKILLS

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

EXPERIENCE

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 reporting framework, enhanced document sharing, analytics, and 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

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*