

Nick Shimokochi

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Recent Work Experience

Nebula.io

New York, New York (Remote)

ENGINEERING LEAD

09-2022 – Present

- Lead and mentor a high-performing software development team, tailoring agile processes to boost sprint efficiency.
- Contribute hands-on to ensure timely project delivery and optimized collaboration.
- In a dual role as DevOps lead, re-engineered the CI/CD pipeline, reducing build time by 50%+ and cutting deployment costs by 25%.
- Built development tools that enhanced efficiency, cutting onboarding time and speeding up feature development.
- Led the development of a task execution framework, streamlining platform functionality and boosting feature deployment speed and system performance.

Pantheon Systems

San Francisco, California (Remote)

ENGINEERING MANAGER

10-2021 – 09-2022

- Led the team delivering Pantheon's Autopilot, increasing product stability and reducing bug reports through refined practices.
- Coordinated team execution to meet product priorities, driving consistent sprint performance and on-time delivery.

Altair Engineering

Troy, Michigan

LEAD SOFTWARE ENGINEER

01-2014 – 09-2021

- Implemented robust build frameworks across products, reducing deployment time and improving reliability.
- Designed and implemented a distributed task execution framework in Python that became the foundation of Altair Control
- Automated HPC system deployment (PBS Pro) for on-premise and cloud, reducing setup time and boosting operational efficiency.
- Led cross-functional teams on high-impact projects while contributing to development, ensuring project success and boosting productivity.

Related Skills

Cloud Based Development:

Development and deployment experience on GCP, AWS, and Azure

Software Engineering:

Strong command of architectural, design, and OOP concepts

DevOps & Platform Engineering:

Building & optimizing CI/CD workflows and deployment infrastructure, IAC

Recent Stack Experience:

Python, Flask, KeyCloak, MongoDB, Docker, Kubernetes, Jenkins, AWS, GCP, Linux

Communication and Leadership:

Excellent communicator & collaborator. Highly-effective team member, mentor, leader.

Project Highlights

Pantheon Autopilot

Go, GCP, AWS, Kubernetes, Docker,
Python, GraphQL

PANTHEON'S AUTOMATED SOLUTION FOR DETECTING AND APPLYING NEW UPDATES FOR CUSTOMERS' SITE'S CORE CMS, PLUGINS, AND THEMES. RESPONSIBLE FOR DEV TEAM LEADERSHIP AND TECHNICAL DIRECTION.

<https://pantheon.io/autopilot>

Altair Control

Python, Go, Docker, RabbitMQ,
Postgres, Bash, MongoDB, GitlabCI,
Nginx, Linux, NodeJS, Azure

SINGLE PANE OF GLASS FOR HPC CLUSTER CONFIGURATION, ANALYTICS, AND SCHEDULER SIMULATION. RESPONSIBLE FOR DEVOPS, BACKEND DESIGN, ARCHITECTURE, AND IMPLEMENTATION.

<https://www.altair.com/control>

Nebula.io

Python, Flask/RestX, GCP, Docker,
Microservices, Kubernetes, Nginx,
Bash, Linux, Jenkins, Elasticsearch,
LLM, NLP

AN AI-DRIVEN TALENT ACQUISITION PLATFORM. RESPONSIBLE FOR COLLABORATING ON TECHNICAL DIRECTION & DESIGN, TEAM LEADERSHIP, IMPLEMENTATION, AND DEVOPS.

<https://nebula.io/>