

Nate Lee
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SUMMARY

Early-mid career software engineer looking to grow in platform backend engineering roles

TECHNICAL EXPOSURE

Platforms / Services

- Kubernetes, Docker, AWS Lambda, SQS, DynamoDB, ElasticSearch, Gitlab
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EXPERIENCE

Software Engineer-Payment Services Platform, Rivian

Jan 2022 – Aug 2022

- Implemented a de-identification API call to support GDPR requirements, removing all user supplied payment and payment processor info from multiple payment databases. Called different microservices from various internal / external teams and ensured upstream microservices would be notified of impact.
- Helped aid payment reconciliation expansion for vehicle charging payments. Created various Terraform scripts that created Glue tables which would read batched payment transactions in S3. Implemented multiple Lambda functions related to calculating and validate tax amounts, charging order schemas, edge cases involving missing items in a charging payment order / order state.
- Investigated and assessed KYB / KYC vendor maturity level for meeting Rivian business expansion needs.
- Participated in various on-call rotations, helping resolve payment processor / payment reconciliation issues.

Software Engineer-ML Platform, Nordstrom

Sept 2019 – Dec 2021

- Aided platform API refactor from Python to Golang, faster API call times. Also lead team learning sessions to help with codebase transition.
- Helped increase data analyst and data scientist usage of platform by developing remote JupyterLab Instances. Used previously worked on Golang API deployment to deploy a Jupyter Notebook image, replacing local notebook usage.
- Improve outfit suggestion efforts by writing a downstream consumer that ingested from Kafka stream, and refactored Flask app used to allow external and ingress calls. Resulted in said Flask app being used as the template project for future ML projects.

Data Science Intern, Boston Consulting Group

Jan 2019 – June 2019

- Helped increase ML prediction accuracy from 12% to 85% using Bayesian hyperparameter optimization. Wrote script to translate output of predicted matrix to raster layer of satellite imagery data readable by ArcGIS.

System Verification Engineer, Philips Healthcare

July 2015 – Dec 2017

- Conducted verification and integration testing for embedded systems software.
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EDUCATION

Northeastern University - Boston, MA

2018-2019

- MS, Computer Science

Boston University - Boston, MA

2012-2015

- BS, Biomedical Engineering