

# Nick Peterson

SENIOR SOFTWARE ENGINEER · FULL STACK

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*“Nothing is more permanent than a temporary solution”*

## Summary

Current Fullstack Senior Software Engineer at Target. 5 years experience specializing in web development using modern tools and tech stack. Interested in scalable and robust system design; team development, collaboration, and growth; and learning new technologies. I would love the opportunity to contribute to your team!

## Work Experience

### Target Corporation

Minneapolis, MN

SENIOR SOFTWARE ENGINEER

July 2022 - Current

SOFTWARE ENGINEER

August 2021 - July 2022

- Designed and built an entirely new built from scratch Web Application enabling the bulk purchase of Gift Cards by business clients, facilitating over \$250 million in revenue
- Built UI's using NextJs and leveraging microfrontend design patterns using Webpack Module Federation.
- Built API microservices using Micronaut and Kotlin.
- Deployed and maintained infrastructure for PCI compliant microservices in the Google Cloud using Terraform for infrastructure specification
- Implemented and maintained secure deployment pipelines for a high risk UI microfrontend that captures PCI data.
- Implemented monitoring integrations with InfluxDB, Grafana, Kibana, ShuttletIO, and Slack
- Implemented OAuth2 integrations to handle authentication and authorization for external clients and internal team members
- Implemented cross team integrations using API's and Kafka Event Streaming.

### Lively Apps

Vancouver, British Columbia

FULL STACK DEVELOPER

April 2020 - August 2021

- Developed and maintained apps currently available on the Atlassian marketplace for Confluence and Jira
- Won second place in the 2020 Codegeist hackathon for the Lively Recorder, now available on the Atlassian Marketplace.
- Implemented apps and features using the React framework for frontend and Java Spring for backend services
- Deployed backend services to AWS (including EC2, PostgreSQL, Lambda, EventBridge, and Cloudwatch) using Terraform for infrastructure specification
- Built and deployed overall service infrastructure utilizing Docker container, CircleCI, and several AWS stack(Including EC2, ECS, Route 53, S3, CloudFront, RDS, ElastiCache, IAM), focusing on high-availability, fault tolerance, and auto-scaling.
- Solved support tickets, interacting directly with customers.

### University of British Columbia

Vancouver, British Columbia

TEACHING ASSISTANT

January - August 2020

- Taught Java language, design principals, and design patterns
- Assisted students in the design and development of capstone personal projects.
- Graded assignments, quizzes and exams

### Garmin

Cochrane, Alberta

SOFTWARE QUALITY ASSURANCE INTERN

September - December 2019

- Authored and maintained well-organized, efficient and successful test cases for the entire team.
- Designed and built internal tools used to automate testing processes
- Debugged code and located root causes of problems by reviewing configuration files and logs

## Education

### University of British Columbia

Vancouver, British Columbia

BACHELOR OF COMPUTER SCIENCE

September 2018 - May 2021

### University of Minnesota

Duluth, Minnesota

B.S. MATHEMATICS AND B.A. ECONOMICS

September 2011 - May 2015

- Magna Cum Laude
- Department Honors (Economics)