Nick **Peterson**

SENIOR SOFTWARE ENGINEER · FULL STACK

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"Design is where science and art break even."

Summary

Current Fullstack Senior Sofware 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, colaboration, 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, ShuttleIO, and Slack
- Implemented Oauth2 intergrations 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, Biritsh Columbia*

TEACHING ASSISTANT   *January - August 2020*

- Taught Java language, design prinicpals, 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-prganized, 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)