Ali Nakhaeisharif

Toronto, ON, Canada alinakhaeisharif@gmail.com +1 226 975 8317 portfolio

About

With 5+ years of experience as a software engineer, I've worked in agile teams, building applications serving over 10 million users. I possess deep knowledge of algorithm design and expertise in writing clean, maintainable code. Additionally, I've developed reliable cloud-based microservices, focusing on scalability and performance.

Skills

Programming:	Java, Javascript, Python, C++, UNIX Scripting
Frameworks:	Spring Boot, React.js, Angular, React Native, Expo, JUnit, Mockito, Apache Spark
Databases:	PostgreSQL, Oracle, MongoDB, MS-SQL, Hibernate ORM, Redis
Technologies:	Docker, AWS (S3, EC2, RDS, Lambda), OpenShift, Kafka, Jenkins CI/CD, gRPC
Soft Skills:	Teamwork, Problem-solving, Quick-learner, Agile Programming

Experience

Full-stack Software Engineer *Feb 2025 – Jun 2025*
MealLens AI (Mitacs Project) (4 month)

In a Mitacs project, I was responsible for developing the server, application, website, and cloud infrastructure.

- Developed an IOS and Android app alongside a PWA using React Native (Expo) and a React.js website.
- Designed and fully implemented a robust backend service using Spring Boot and Java.
- Deployed services, databases, and files using Amazon EC2, RDS, and S3 for scalable deployments.

Back-end Software Engineer *Aug 2021 – Feb 2025*
Neshan Maps & Navigator (3 years, 7 months)

Neshan is the leading local maps and navigation app, chosen 5 times as the best navigation app of the year.

- **Promoted** to an Assistant Team Lead within one year due to outstanding project maintenance skills.
- **Assisted** the company in scaling up from an startup to a leading local navigation app with 10M+ users.
- Reduced memory usage by up to 40% by rewriting heavy components in C++, integrated by JNI.
- Designed a live algorithm that detects traffic pattern similarities in real-time.
- Deployed a model predicting optimal departure time for a given arrival time and route, with 85% accuracy.
- Optimized large-scale geographic data to reduce traffic computation time and improve ETA accuracy.
- Implemented system health monitoring with Prometheus and Grafana for 100% uptime.

Front-end Software Engineer *Oct 2020 – Sep 2021*
Smart Construction Group (1 year)

Smart Construction automates workflows and streamlines worker-manager communication in construction projects.

- **Led** the development of a React Native app used by 500+ construction workers to submit daily progress.
- Implemented user-friendly components to enhance usability, getting over 90% user satisfaction.
- Programmed +50 React Native components, reusable in React.js, to solidify the front-end system.

Education

University of Windsor *Sep 2023 – May 2025*
M.Sc. in Computer Science - Thesis Based

- **Thesis Title:** "Guarding Polygons With Mutually Visible π-Guards"
- As a research assistant, I published my thesis in **CCCG 2025**, while studying other geometrical problems.

Ferdowsi University of Mashhad *Sep 2018 – Feb 2023*
B.Sc. in Computer Engineering

- **Project Title:** "An OSRM-based Routing Engine for Optimizing Fuel Consumption"