

# Soroosh Esmaeilian

LinkedIn Profile

Email: soroosh.esmaeilian@gmail.com

Mobile: +14033251377

Address: Calgary - Open to relocation

Proficient full-stack developer with experience in modern frameworks such as Next.js, Angular and Express.js. Adept at building fault-tolerant and scalable web applications with practical expertise in AWS and its services.

## EDUCATION

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- **University of Calgary** Calgary, CA  
*Master of Science in Computer Science; GPA: 3.85/4* Aug 2021 – Dec 2024
- **University of AmirKabir** Tehran, IR  
*Bachelor in Computer Engineering; GPA: 3.5/4* Sep 2016 – Sep 2020

## EXPERIENCE

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- **Full-Stack Developer (Internship)** Calgary, CA  
*Wedge Networks* Sep 2023 – Jul 2024
  - Designed and implemented a Java component to handle concurrent inference requests using a queuing system, where requests were fetched from MongoDB.
  - Resolved several critical bugs in the Angular front end, directly enhancing user interface responsiveness and improving overall customer satisfaction.
  - Designed and implemented a Bash-based log generator capable of producing various types of logs at specified frequencies (e.g., every second) for testing purposes, with the logs stored in Elasticsearch for efficient indexing and analysis.
- **Research Assistant** Tehran, IR  
*ATLAS lab* Feb 2020 - Aug 2020
  - Designed and implemented a web crawler in Java to extract specific information from multiple websites and store the data in a PostgreSQL database.

## PROJECTS

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- **FindConnections (Website)** GitHub Link
  - A Next.js website that uncovers connections between notable individuals through shared photographs.
  - Integrated Neo4j for graph data management in Amazon EC2 and utilized Amazon S3 for efficient image data storage and retrieval.
  - Lambda-based pipeline that allows admin users to automatically populate the dataset with new celebrity pair images.

## SKILLS

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- **Languages:** Python, C, C++, Java, CSS, HTML, JavaScript, TypeScript
- **Databases:** MySQL, PostgreSQL, MongoDB, Neo4j, DynamoDB
- **Frameworks:** Next.js, Angular, Express.js

## CERTIFICATES

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- **Next.js 15 & React - The Complete Guide:** Comprehensive guide on how to build full-stack React apps with NextJS 15

## PUBLICATIONS

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- **Esmailian, S., Dolati, M., Sadrhaghighi, S. and Ghaderi, M., 2024, October. Coordinated Sampling in SDNs with Dynamic Flow Rates. In 2024 20th International Conference on Network and Service Management (CNSM) (pp. 1-7). IEEE.**