

Soroosh Esmaeilian

LinkedIn Profile
Personal Website

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

EXPERIENCE

• Full-Stack Developer

Bowrand Inc. (Next.js+Django)

Calgary, CA

May 2025 - Now

- Improved component rendering performance with **React.memo** (Shahtire.com).
- Complete Supabase authentication flow integrated with Django backend, including **JWT handling** and **role-based access control**.

• Full-Stack Developer (Internship)

Wedge Networks

Calgary, CA

Sep 2023 – Jul 2024

- Designed and implemented a Java component to handle concurrent inference requests using a queuing system.
- Resolved several critical bugs in the Angular front end, improving overall customer satisfaction.

PROJECTS

• BrowseMind (Website)

GitHub Link

- Created custom **React hooks** to abstract repetitive logic and enhance code reusability.
- Summarization of user browsing activity using the **Llama 4** API, along with a complete Google authentication flow and **Stripe** for payment (Django).

• FindConnections (Website)

GitHub Link

- A Next.js fully responsive website (**Tailwind CSS**), that uncovers connections between notable individuals through shared photographs.
- **Lambda-based** pipeline that allows admin users to automatically populate the dataset with new celebrity pair images.

SKILLS

- **Languages:** Python, JavaScript, TypeScript, CSS, HTML, C, C++, Java
- **Databases:** MySQL, PostgreSQL, MongoDB, Neo4j, DynamoDB
- **Frameworks:** Next.js, Angular, Django, Express.js
- **DevOps & Cloud:** Docker, AWS EC2/S3/Lambda, Nginx, GitLab CI/CD

EDUCATION

• Graduate Researcher

Networked Systems and Applications Lab, University of Calgary

Calgary, CA

Aug 2021 - Dec 2024

- Designed a network-wide sampling system in SDNs implementable in Datacenters and ISPs using ns-3 (C++).
- Achieved up to 10% improvement compared to state-of-the-art sampling solutions. (Visit Publication)