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** — Calgary, CA
  Bowrand Inc.(Next.js+Django) — *Jan 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)** — Calgary, CA
  Wedge Networks — *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** — Calgary, CA
  Networked Systems and Applications Lab, University of Calgary — *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)