https://joshostblom.com
https://github.com/joshostblom
https://www.linkedin.com/in/joshuaostblom

# Joshua Ostblom

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Lincoln, NE

## Skills

| | |
|---|---|
| **Programming Languages:** | Kotlin, Java, Python, C#, C++, C, JavaScript, TypeScript, SQL, R, VB.NET |
| **Application Development:** | React.js, Node.js, Tailwind CSS, Jetpack Compose, Hilt/Dagger, Express.js, MySQL |
| **Developer Tools:** | Git, Android Studio, Visual Studio, Linux, IntelliJ, Eclipse, Unity, Blender |

## Experience

**Android Engineer, Intern**                     **Lyft**                     **May 2025-August 2025**
- Developed dynamic UI components for incentives on the home screen of the Lyft rider Android app using **Jetpack Compose** and **MVI architecture**, enhancing rider engagement and retention.
- Implemented real-time map updates using **Kotlin coroutines** to track user and driver locations, automatically adjusting map zoom to improve visibility and overall user experience.
- Ensured code reliability and maintainability by achieving complete **unit test coverage** and implementing **snapshot testing** for all UI components.

**Software Engineer, Intern**                     **Sandhills Global**                     **May 2022-May 2025**
- Utilized **Jetpack Compose**, **Dagger/Hilt**, and **Retrofit** in **Android Studio** (Kotlin/Java) to pioneer over 25 full-stack mobile applications from the ground up that have achieved over 100,000 each downloads on the Google Play Store.
- Enhanced APIs within the **.NET** platform by applying **REST** design principles to efficiently manage business logic across the company's Trade Sites applications.
- Designed and implemented a modular microservice for **OAuth** verification using **JWT** tokens which are injected into view models and passed to views through states following the **MVVM** architecture.
- Refactored the WebView module within the Trade Sites and Inventory Management mobile applications to enhance modularity, resulting in a 25% improvement to efficiency.
- Worked with **Xamarin** (C#) and **GraphQL** in Visual Studio to update the FR8Star and HiBid mobile apps, ensuring they remain synchronized with the web applications.
- Developed a domain search engine using **React**, **CSS**, and a DNS API to display status and statistics, currently utilized by over 1,200 employees.
- Employed **GitHub** actions for **CI/CD**, automating build processes through customized workflows.

## Education

**M.S. Computer Science**                     **University of Nebraska - Lincoln**                     **August 2023-December 2025**
- **GPA:** 3.9
- **Coursework:** Advanced Data Structures & Algorithms, Artificial Intelligence, Operating Systems, Communication Networks
- **Achievements:** Dean's list every semester

**B.S. Computer Science**                     **August 2020-December 2024**
- **GPA:** 3.99 (in-major GPA: 3.93)
- **Minor:** Mathematics
- **Coursework:** Data Structures & Algorithms, Artificial Intelligence, Operating Systems, Software Development, Automata, Systems Engineering, Bioinformatics
- **Achievements:** Dean's list every semester, Capstone platinum award, Susan Buffett Scholar, Honors program

## Projects

**Personal Website:** https://joshostblom.com (for additional information and projects)

**Full-Stack React Portfolio Web Application (https://joshostblom.com)**
- Built a portfolio web application using **React** and **Tailwind CSS**, leveraging the **Vite JS** development server within the **Node.js** runtime environment.
- Constructed a **REST**ful API using the Express.js framework, with connectivity to a **MySQL** database.
- Fetched data from my REST API using **AXIOS** to structure endpoint calls, implementing **JWT** and refresh tokens for secure authorization of endpoints.

**Full-Stack ASP.NET React E-Commerce Web Application**
- Collaborated with a team to establish a React e-commerce web application as the final project of our software development course.
- Put together an **ASP.NET** backend that manages data in a **SQL** database through an API, structured using MVC architecture.
- Fabricated the **React** front end to enable users to search for items by name or category, store selected items in a shopping cart associated with their login, and enter shipping and billing information to complete the checkout process.