

# Seunghun Oh

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## Experience

### Alumni Ventures

*Senior Software Engineer II*, Feb 2024 to Present

*Senior Software Engineer*, Jan 2023 to Jan 2024

*Software Engineer*, Oct 2020 to Jan 2023

- Designed and deployed a Node.js server-side application to optimize querying, caching extensive newsfeed data, and streamline ETL processes for enhanced client access and auditing.
- Implemented a robust Okta-based user authentication system using OAuth2.0 PKCE.
- Published a proprietary NPM package with Rollup, facilitating seamless integration of authentication logic into admin-facing applications.
- Served as architect for several projects, overseeing multiple design and development phases, utilizing JIRA for task management and team assignment.
- Implemented new features in a TypeScript-powered Next.js application with WordPress content management, enhancing user experience through efficient design and integration.
- Engineered a comprehensive user-transaction database encompassing legacy and future user, account, authentication, club, and investment transaction data.
- Crafted an investor portal using React and Material UI for simplified access to tax forms, investment statements, and portfolios.
- Championed the implementation of a highly effective investor tax form process in Node.js, boasting a remarkable success rate exceeding 99%.
- Managed and monitored APIs leveraging AWS Lambda, API Gateway, and CloudWatch.
- Proficiently cached data into AWS DynamoDB using AWS Lambda functions.
- Expertly provisioned AWS S3 buckets and EC2 instances programmatically using Serverless.
- Conducted data maintenance, developed schemas, and executed database migrations via SQL.

### Wayfair

*Software Engineer*, May 2019 to Sep 2019

- Developed a React/PHP application facilitating warehouse item search and updates by querying databases via SQL queries and using MVC framework to relay user requests.
- Designed new SQL database with superiors and implemented new feature on supplier-side tool utilizing React/PHP with Redux to conditionally save admin-made staging requests.

### Raytheon

*Software Engineer*, Aug 2018 to Mar 2019

- Resolved issues with qualification criteria, such as runway eligibility and flight plan checks, preventing runway collisions.
- Implemented alert suppression protocols for military aircrafts within their respective zones.
- Enhanced radar array software by dynamically adjusting flight priorities.

## Projects

Alumni Ventures AI Challenge 2023: Secured the grand prize with a tailor-made ChatGPT-based chatbot prompt for the company's software development life cycle, best practices, and development patterns.

Splitr: Developed a mobile app utilizing Tesseract OCR for receipt text recognition and Venmo integration for assigning expenses to individuals.

SICK Systems Throughput Prediction & Logistics Learning for EPIC: Preprocessed data to identify features influencing sensor system optimality using LDA, achieving 99%+ accuracy on packages' eligibility with SVM.

## Education

### Boston University

*Bachelor of Science in Computer Science*