OLIVIA STEPPER

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EDUCATION

Northeastern University | Khoury College of Computer Science   Boston, MA
Bachelor of Science in Computer Science   *Sep 2022 – May 2026*
John Martinson Honors Program

TECHNICAL SKILLS

Languages: Java, SQL, JavaScript, HTML/CSS, C, TypeScript, Kotlin, Python
Technologies: Spring Boot, Maven, Git, React, Docker, MySQL, PostgreSQL, Google Cloud Platform, Microsoft Power Platform

EXPERIENCE

Java Backend Software Engineer   Jul 2025 – Present
Priceline.com   *Norwalk, CT*
- Modernized authentication flows serving 250k users, leading the deprecation of legacy patterns and utilizing feature-flag rollouts with robust QA, achieving zero-regression releases with 100% uptime
- Optimized data-access strategies, migrating 2 key projects to managed cloud databases instead of legacy shared stores, improving reliability and ensuring consistent, scalable access
- Shipped production-ready backend endpoints that receive 10k+ daily requests, ensuring high reliability and performance, while contributing code across five key codebases
- Owned and delivered 5+ development tickets per sprint from design through production deployment, ensuring smooth Agile collaboration, increased sprint throughput, and consistent on-time delivery

Backend Engineer   May 2024 – Apr 2025
Van Dyk Recycling Solutions   *Norwalk, CT*
- Managed the development of a company-wide internal application for 120 employees, designing implementation to streamline task delegation, information access, and operational workflows
- Engineered and maintained SQL databases, performing data entry, cleaning, and normalization of 20k+ records to ensure accurate, efficient access for employees and reporting processes
- Collaborated with ML engineers to train and test image recognition models for recycling systems, increasing sorting accuracy by 15% and optimizing material purity and recovery rates

PROJECTS

Booky | *Java Spring Boot, PostgreSQL, React*   Aug 2025 – Present
- Created a PostgreSQL database schema and 30+ API endpoints to efficiently manage complex user and book data, optimizing to support scalable growth and intensive queries across millions of data points
- Implemented secure authentication, personal libraries, and social features using a Java-based RESTful backend and a responsive React front end, including real-time UI updates for seamless user experience
- Deployed a full-stack web app for cataloging, sharing, and reviewing books, integrating the Google Books API for real-time metadata and cover art, and supporting active usage by real users

Time Off Tracker | *Microsoft SQL Server, Microsoft Power Platform*   Aug 2024 – Apr 2025
- Architected the SQL schema of 10+ major tables to efficiently handle a growing employee roster, maintaining extensive leave history and audit logs for reporting and compliance purposes
- Led the end-to-end development of a company-wide time-off management application used by 120 employees, collaborating with HR and team leads to gather requirements and ensure smooth integration
- Optimized administrative workflows using Microsoft's Power Platform to automate and reduce manual tasks, improved overhead and efficiency across departments and saved employees 5+ hours weekly

Portfolio Website | *React*   Feb 2024 – Present
- Developed a responsive portfolio website to showcase projects and skills with modern web standards
- Implemented dynamic content features to provide a smooth and engaging user experience
- Designed a consistent and adaptable interface for desktop and mobile users without losing functionality