

# WILLIAM ORBACH

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## PROFESSIONAL SUMMARY

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Recent Software Engineering graduate with robust academic experience in full-stack and mobile application development. Proficient in Java, JavaScript, and Python, with a strong foundation in agile methodologies, software design, and data management. Demonstrated ability to build scalable, user-centric solutions through rigorous academic projects and hands-on coursework. Eager to leverage technical expertise and innovative problem-solving skills in a professional setting to contribute to dynamic development teams.

## SKILLS

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**Skills:** Java, Python, JavaScript, TypeScript, Node.js, AngularJS, React.js, Spring, AWS, MySQL, REST APIs, HTML/CSS, Android Development, Agile, Docker, Bootstrap, Hibernate, SQL, JUnit, Postman, SCRUM, Vercel, Word/Pages/Docs, PowerShell, AWS, Git

## EDUCATION

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### Western Governors University

October 2023 - April 2025

Bachelor's, Software Engineering

GPA: 3.5

- Subjects addressed include Front-end Web Development, Cloud Foundations, Data Structures and Algorithms, Back-end Development, Software Design, Quality Assurance, Java Frameworks, and Data Management.

### Middlesex College

September 2014 - May 2017

Associate's, Allied Health

GPA: 3.4

## PROJECTS

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### Vacation Scheduler Android Mobile Application

February 2025 - April 2025

- Developed a robust Android application for vacation and excursion management.
- Engineered full CRUD functionality for vacations and excursions, leveraging the Room Framework and SQLite for reliable local data persistence.
- Designed intuitive, multi-screen interfaces with detailed views, alerts, and sharing capabilities, ensuring a user-centric experience.
- Enforced strict input validation and deployed a signed APK for all Android 8.0+ devices.

### Vacation Booking Application

October 2024 - December 2024

- Re-architected a legacy travel bookings back end by creating a modern Spring Boot application integrated with MySQL, delivering efficient data management and RESTful APIs.
- Structured the codebase into modular packages (controllers, entities, dao, services, config) to facilitate maintainability and scalability.
- Implemented a checkout controller for processing vacation orders, along with comprehensive validation logic to support front-end integrations.

### Scooter Inventory Management Web Application

May 2024 - July 2024

- Designed and developed a scalable inventory management system using the Spring Framework with a Java back end and custom HTML/CSS front end.
- Customized the UI to showcase shop branding, detailed product listings, and part information, while integrating an "About" page with seamless navigation.
- Engineered sample inventory logic to prevent duplication and implemented a dynamic "Buy Now" feature that accurately updates stock levels.
- Developed robust inventory validations and unit tests, ensuring data integrity and a clean codebase.

## CERTIFICATIONS

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ITIL v4 Edition, Professional Scrum Master PSM 1, Google IT Support Professional, Tableau Creator, Break into Tech Data Analytics, AWS Certified Cloud Practitioner, WGU Front-end Developer, WGU Back-end Developer

## WORK HISTORY

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### Topgolf Entertainment Group

Edison, NJ, USA

Event Ambassador

March 2020 - Present

### IBuy UCell LLC

Edison, NJ, USA

Electronics Procurement Salesman

October 2018 - March 2020

### Computer Generated Solutions

Edison, NJ, USA

Tech Support Associate

January 2018 - June 2019