

Aaron Green

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WORK EXPERIENCE

MassMutual

May 2022 – September 2023

Software Engineer

- Optimized search functionality for 10,000+ financial professionals by implementing an intuitive search bar and filter, increasing identification accuracy and reducing search time by 50% compared to the previous system. (JavaScript, React)
- Enabled data-driven strategy refinement for over 4,000 financial professionals by developing a *RESTful API* to monitor and analyze rejected leads. (JavaScript, Node.js, Microservices)
- Leveraged *Snyk* to identify and resolve over 100 critical vulnerabilities in third-party libraries, reducing security risks by 80% and enhancing overall system security. (Java, Spring Boot)
- Spearheaded reliability initiatives for 80,000+ users by implementing unit testing, achieving 60% code coverage, and reducing potential service disruptions. (JavaScript, Java, Jest, JUnit)
- Streamlined customer data retrieval for 100,000+ weekly users by optimizing query layers, improving efficiency, and reducing response times. (PostgreSQL)

PROJECTS

Meal Forger – (Front-End Web Application)

[MealForger](#)

- Simplified meal planning for 500+ users with a recipe search application. (React, JavaScript)
- Filtered and corrected ingredient entries using an AI-powered validation system. (OpenAI's GPT-4)
- Improved user experience with a dynamic recipe search feature that sorts results by missing ingredients. (React, JavaScript)
- Built a responsive UI with interactive components for ingredient management and recipe viewing. (React, Tailwind CSS)

Oregon Trail – (Full-Stack Web Application)

[Oregon Trail](#)

- Designed *RESTful APIs* to manage player interactions, enhancing gameplay and user experience. (JavaScript, Node.js, Jest)
- Utilized *Redux* for consistent application state management (JavaScript, React)
- Enhanced user experience with dynamic UI updates and interactive controls for gameplay (JavaScript, React, HTML5, CSS3)

TECHNICAL SKILLS

Languages: C#, JavaScript, Java

Frameworks and Libraries: React, Node.js, Spring Boot, Jest, JUnit, Redux

Game Development: Unity, Godot, Unreal

Databases: PostgreSQL

EDUCATION

Marist College

Graduated

Bachelor of Science,

Gaming and Emerging Media Technical Concentration, Minor in Computer Science