GUSTAVE MONTANA

linkedin.com/in/gustave-montana | (860) 876-6811 | gmt015@gmail.com | gustave-montana.vercel.app

A detail-oriented software engineer with a track record of translating complex requirements into functional, user-centric web applications. I am eager to join a collaborative team where I can apply my skills and grow as a developer.

CORE COMPETENCIES

Full-Stack Development	Agile & Scrum Methodologies	UI/UX Design & Rapid Prototyping
Automated Testing & Quality Assurance	Technical & Cross-Functional Leadership	Data-Driven Product Development

EXPERIENCE

Freelance Software Engineer *Jun 2025 - Present*
5280 Auto Hail Repair and Collision Center Denver, CO
- Architect and develop a full-stack dual-portal application that streamlines internal processes and improves client communication by consolidating a variety of critical shop needs into a single, unified system, improving shop efficiency and customer satisfaction.
- Design and implement a task dependency system enabling employees to track repair workflows with blocking dependencies, departmental organization, and multiple visualization views including a timeline and heatmap.
- Build guest-to-user migration flow allowing guest customers to claim accounts via email verification, automatically linking prior quotes, appointments, and repairs to their authenticated profiles.
- Develop customer communication features including threaded messaging between customers and shop employees, image sharing, and live repair status updates pulled directly from the internal task management system.
- Establish DevOps infrastructure including Docker containerization, CI/CD pipeline configuration, and cloud deployment architecture as technical lead in a 2-developer team.

Software Development Intern *Jun 2024 - Aug 2024*
InvoiceCloud, Inc. Remote - Boston, MA
- Wrote 25 automated BDD test cases for UI and REST API features in Gherkin using SpecFlow in a C# and .NET environment.
- Used Selenium to map and interact with UI elements, integrating them into step definitions for BDD test cases.
- Enhanced an Azure pipeline utilizing Kubernetes clusters to enable a 5x increase in parallel testing to integrate with Sauce Labs and added support for filtering test cases using Python and Bash scripting.

Data Collection App for WPI Global Projects Center | *TypeScript, React, Node.js, Express, PostgreSQL* *May 2024 - Oct 2024*
- Worked in a team of 5 using the Agile methodology to develop an app tailored to the average WPI student's study abroad research project. The app allows students to join groups and collaboratively conduct their project research.
- Reviewed 20 IQP reports to determine which methods of data collection are most common in the WPI study abroad experience.
- Within the app, users can create re-usable data collection structures called forms which consist of various types of data entry. Form entries are geotagged using the user's location or a custom location and can be viewed on an interactive map.
- Interviews can be recorded and the recording transcribed by AI within the app using the AssemblyAI API.
- Conducted iterative user testing on a total of 16 students, across which the app had an 80% overall satisfaction rating.

Web Application with Brigham & Women's Hospital | *TypeScript, React, Node.js, Express, PostgreSQL* *Mar 2024 - May 2024*
- Worked in a team of 11 using the Agile development methodology and software design pattern to deliver a functional, feature-dense prototype web application for Mass General Brigham Hospital.
- Led a front-end development engineering team, utilizing Typescript, React, and Material UI to develop the web application prototype.
- Deployed on the cloud using AWS EC, a Docker container, and AWS RDS to run the PostgreSQL server.
- The final software application prototype included hospital pathfinding, a map editor, and multiple integrated service request modules. The prototype informed the hospital representatives about potential features, user interfaces, and design approaches for the application being developed by the hospital software development team.

Market Research for a Car Sharing Start-up (Monteverde, Costa Rica) | *WPI Global Project* *Oct 2023 - Mar 2024*

EDUCATION

Worcester Polytechnic Institute (WPI) | *GPA: 3.6* | Graduated with Distinction *Aug 2021 - May 2025*
Computer Science – Bachelor's of Science, Data Science – Minor

TECHNICAL SKILLS

Languages & DB:	Java, Python, C/C++/C#, JavaScript, TypeScript, SQL (Oracle, PostgreSQL), MongoDB, R, MATLAB, Bash, YAML, Go, Rust, HTML/CSS
Web Development:	React.js, Next.js, SvelteKit, Node.js, Express, .NET, Tailwind CSS, JUnit, PrismaORM, TypeORM, Django, Selenium
Cloud & DevOps:	AWS, Google Cloud, Azure DevOps, Docker, Kubernetes, Linux/Unix, Git, GitHub, Vite, Supabase
Tools & Collaboration:	Microsoft Office Suite, Slack, Jira, Agile/Scrum, Full-stack development, AI Tools

AFFILIATIONS

Sigma Alpha Epsilon Fraternity | Massachusetts Delta *Nov 2021 - May 2025*
Public Relations Chairman *Jan 2023 - Dec 2023*