GUSTAVE MONTANA

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

A software engineer with strong critical thinking skills and a proven ability to translate complex requirements into functional, user-centric web applications. I'm eager to join a team where I can apply my skills and continue growing as a developer.

CORE COMPETENCIES

Full-Stack Development	Agile & Scrum Methodologies	UI/UX Design & Rapid Prototyping
Automated Testing & Quality Assurance	Technical Problem-Solving & Initiative	Data-Driven Product Development

EXPERIENCE

Freelance Software Engineer — *Jun 2025 - Present*
5280 Auto Hail Repair and Collision Center — Denver, CO
- Improved shop efficiency and customer satisfaction by architecting and developing a full-stack dual-portal system that consolidates critical shop operations into one unified platform.
- Enabled streamlined repair workflows and better cross-department visibility by designing and implementing a task dependency system with blocking dependencies, departmental organization, and multiple visualization views (timeline and heatmap).
- Simplified customer onboarding and account continuity by building a guest-to-user migration flow allowing customers to claim accounts via email verification and automatically link prior quotes, appointments, and repairs.
- Enhanced customer engagement and transparency by developing threaded messaging, image sharing, and live repair status updates synced with the internal task management system.
- Accelerated deployment and team productivity by establishing DevOps infrastructure with Docker containerization, CI/CD pipeline configuration, and cloud deployment architecture as the technical lead in a two-developer team.

Software Development Intern — *Jun 2024 - Aug 2024*
InvoiceCloud, Inc. — Remote - Boston, MA
- Improved test suite execution time by 5x and improved scalability by enhancing an Azure pipeline using Kubernetes clusters to increase testing parallelism, added integration with Sauce Labs, and improved usability by adding support for filtering using Python and Bash scripting.
- 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.

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*
- Delivered a feature-dense, functional prototype hospital kiosk web application as the lead developer in a front-end team.
- 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:	Python, JavaScript, Typescript, Go, Rust, C, C++, C#, Java, SQL (Oracle, PostgreSQL), NoSQL (MongoDB)
Web Development:	React.js, Next.js, SvelteKit, Node.js, Express, .NET, Tailwind CSS, JUnit, PrismaORM, TypeORM, Django, Selenium
Cloud & DevOps:	AWS, GCP, Azure DevOps, Docker, Kubernetes, Linux/Unix, Git (GitHub), Vite, Supabase
Tools & Collaboration:	Microsoft Office Suite, Slack, Jira, Agile/Scrum, Full-stack development, AI Tools (Web, CLI)

AFFILIATIONS

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