Marcia Hope | Software Engineer

Baton Rouge, LA | 205.937.0877 | marciahope3@gmail.com | GitHub | Portfolio | LinkedIn

Full-stack developer building and maintaining production web applications. Experienced in debugging complex issues, collaborating across teams, and improving system stability. Background in construction project coordination strengthens communication, adaptability, and execution under shifting priorities.

EDUCATION

Bachelor of Science, Computer Science	Western Governors University	Salt Lake City, UT	08/2024
Certificate, Full-stack Web Development, Ruby on Rails	Code the Dream	Durham, NC	01/2025
Certificate, Web Development	CodePath	San Francisco, CA	04/2024

TECHNICAL SKILLS

Ruby, JavaScript, React, HTML, CSS, Ruby on Rails, Python, Java, C++, REST APIs, PostgreSQL, SQLite, Git, Postman
Certifications: CompTIA A+, CompTIA Network+, CompTIA Security+, LPI Linux Essentials, ITILv4 Foundation Level

TECHNICAL PROJECTS

Project Aware - GitHub
Education support app for teachers with support for product orders, speaker bookings, donations, and an admin dashboard
- Engineered a Ruby on Rails-powered REST API using ActiveRecord, SQLite, and JWT for secure authentication
- Utilized React Context for state management and data caching, enhancing app performance and responsiveness
- Implemented role-based authorization with the Cancancan gem, and integrated FullCalendar, ChartJS, and Bootstrap for a dynamic user experience

Housing Market Value Prediction - GitHub
Developed an interactive web application that allows users to adjust home features, predict the market value of properties, and make decisions on the best home improvements to invest in
- Built an intuitive frontend interface with Dash, allowing users to input property attributes and view real-time value predictions
- Integrated a cleaned housing dataset and used Scikit-learn to train a machine learning model for accurate property value predictions
- Employed Pandas and Numpy for data manipulation and numerical operations, optimizing model performance and enhancing interactive visualizations

EXPERIENCE

Associate Developer | Code the Dream Labs, Remote   02/2025 - Present
- Designed, debugged, and maintained full-stack Ruby on Rails application features following best practices for scalability and maintainability
- Troubleshot production and development issues to improve performance and reliability
- Collaborated in agile ceremonies (stand-ups, planning, code reviews) to refine features and deliver iterative improvements
- Reviewed pull requests for architectural soundness, code quality, and potential defects
- Wrote clear technical tickets and mentored apprentice developers on implementation and debugging strategies

Project Design Consultant | Metro Roofing and Home Improvement, Baker, LA   02/2019 - 11/2024
- Designed and managed residential remodeling projects, producing CAD blueprints and 3D renderings for client approval
- Advised clients on scope, budget, and feasibility to align design vision with financial constraints
- Coordinated with subcontractors and vendors to ensure code compliance, quality execution, and on-time delivery
- Oversaw project execution from concept through completion

Project Coordinator | Metro Roofing and Home Improvement, Baker, LA   06/2011 - 02/2019
- Managed timelines, budgets, and subcontractor coordination for residential and commercial projects
- Monitored project costs and grant-funded budgets using detailed tracking spreadsheets
- Negotiated vendor quotes and ensured work met specifications and deadlines
- Processed invoicing and payments using accounting software
- Maintained accurate project documentation, change orders, and legal records