RYAN RIESENBERGER

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JR SOFTWARE ENGINEER
FULL-STACK DEVELOPMENT | TECHNICAL ANALYSIS | PROJECT MANAGEMENT

Enterprising and project-oriented, Software Engineer with over 7 years' expertise driving project deliverables, business process optimization, and IT solutions across the Automotive, Consulting, and Construction industries. Highly adept at embracing opportunities to utilize full-stack web development skills, technical aptitude, and the ability to deploy complex and practical concepts to bridge knowledge gaps with stakeholders. Demonstrated history of serving as a subject matter expert throughout the project management and SDLC process, resolving technical challenges through cross-collaboration at all levels of an organization. Highly strategic thinker who draws insight from past experiences, skills, and education to translate into sustainable growth outcomes.

CORE COMPETENCIES

Application Development | Software Upgrades & Enhancements | Process Optimization | Technical Analysis | Requirements Gathering | Stakeholder Management | Solution Delivery | Project Scoping & Planning | SDLC | End User Support
UI/UX Design | Front & Back End Frameworks | Video Game Design | Process Improvement | Relational Database Modeling

EDUCATION

BS, Construction Management | California Polytechnic State University
Full-Stack Web Development Immersive Program, *React, Redux, Ruby on Rails* | Flatiron School
Track 1 Graduate, *HTML, CSS, JavaScript & Algorithms* | TLM Works

PROFESSIONAL EXPERIENCE

FLATIRON SCHOOL | ATLANTA, GA

Jr. Software Developer, Student | *2019 - Current*
Flatiron School is a coding and technical boot camp with a focus on Data Science, UX/UI Design, and Software Engineering curriculum. Currently enrolled in full-stack web development to learn front and back end technologies, web frameworks, and programming fundamentals. Collaborate amongst team-driven cohorts for group learning theories, development methodologies, and live project case studies.

Survey Array | MERN Stack Application | GitHub
Scope: A comprehensive web application that engages users to easily send mass emails to a large list of recipients for the purpose of collecting feedback.
- Implements Google OAuth for login authentication.
- Accepts secure credit card payment processing through the Stripe API.
- Separated production and development resources with advanced API key handing techniques.
- Sends automated survey emails that persist feedback via web-hooks and stores user data in a non-relational database.

   Technologies: NodeJS | Express | MongoDB | Mongoose | React | Redux | Google OAuth | Stripe

Auto Pasture | Full Stack Web Application | GitHub
Scope: Auto Pasture is a web application designed as an online community for the automotive industry allowing users to search vehicles by make, model, year, condition, and location nationwide.
- Built backend with Ruby on Rails utilizing ActiveRecord functioning on a many-to-many SQL database relationship.
- Developed frontend UI with React and Redux leveraging Semantic-UI-React for component styling.
- Analyzed complex API data to show simple visualization of used car values based on miles and cost on plot graph.
- Applied geolocation to prompt user permissions for latitude and longitude coordinate tagging.
- Deployed BCrypt and JWT gems to verify and persist secure authentication.

   Technologies: React | Redux | Ruby on Rails | ActiveRecord | SQL | Recharts | Marketcheck API

Car World | Full Stack Web Application Game | GitHub
Scope: Car World is an immersive strategic driving game where the mission is to achieve the highest score possible before running out of resources.
- Collaborated using agile software development through pair programming.
- Devised and executed custom game logic, including collision detection and time-based game mechanics.

- Persist secure authentication including validations and errors by using BCrypt and JWT gems.
- Formed a RESTful API with Ruby on Rails and implemented full CRUD database operations.

  Technologies: React | Ruby on Rails | PostgreSQL | JWT | BCrypt | Semantic-UI | CSS

EMCOR MESA ENERGY SYSTEMS | EL CAJON, CA

Controls Engineer | *2017 - 2018*

EMCOR Mesa Energy Systems is an $8B company providing energy management, audit services, and customized HVAC solutions. Reporting to the Director of Automation, re-engineered HVAC, controls, and automation systems for HVAC control and repair installation projects.

- Engineered five control projects by partnering with the building owners, engineers, and the Director of Automation to gather requirements to design, upgrade, and repair building controls.
- Executed an internal security system upgrade by implementing a profile and password-based touchscreen feature to assign zone-enabled access employees to reduce privacy risks; the new model was adopted as a standard by the company for ongoing projects.

VINTAGE V-DUBS | EL CAJON, CA

Marketing & IT Consultant | *2014-2015 & 2018-2019*

Vintage V-Dubs is a privately-owned fabrication shop in Southern California specializing in building customized auto parts for classic Volkswagens. Reported directly to the Business Owner, consulting on several projects to drive business growth, including website design and marketing growth campaigns.

- Overhauled an underperforming website utilizing WordPress, streamlining design concepts, integrating merchant services, and updating USPS processes; increased customer engagement and diversified the market base for the company.
- Led the conversion of an antiquated manual invoicing system to an automated management system by installing and enabling custom plugins and invoices, realizing an immediate and visible impact on sales and website performance.
- Revamped product advertisements for all front-end interfaces and platforms, replaced custom images, website copy, and updated technical specifications and pricing lists; efforts resulted in a 400% increase in gross sales.
- Created pricing sheets to enhance through procurement, inventory, labor management, and cost analysis; partnered with senior stakeholders and business owners as a trusted adviser for technical, marketing, and operational insights.

TURNER CONSTRUCTION | SAN FRANCISCO, CA

Project Engineer [Internship] **|** *2012-2014*

Turner Construction is an international construction services company completing $12B in construction projects annually. Reporting to the Project Manager of Engineering in the Special Projects Division, responsible for hiring and managing up to 20 sub-contractors, coordinating construction schedules, quality assurance, inspections, and project scope reporting.

- Directed a $3M building project in partnership with project stakeholders, Intel, and Mashery to address asbestos, noise, cleanliness, and material storage challenges; the project was completed on schedule and under budget.
- Served as Superintendent and Project Engineer for a large onsite construction project leading all aspects, including building inspections, contracting, and leveling bids, resulting in functional hardware allowing for the integration of two large technology companies.

TECHNICAL SKILLS

Framework & Libraries
React	Redux	NodeJS	Express	Ruby on Rails	Semantic-UI-React	Bootstrap	jQuery
Languages, Data Format, Database, & ORM
JavaScript	Ruby	HTML5	CSS	JSON	ActiveRecord	MySQL	PostgreSQL	MongoDB
Versioning, Development & Tools
BASH	GIT	NPM	YARN	Heroku	Postman	VS Code
Other
Word	Excel	Outlook	MS Project	PowerPoint	Visio	WordPress	WooCommerce	Illustrator	InDesign	SketchBook	Sketch Up