Ryan Griego 🔗 🔗 🔗

Full Stack Engineer

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Profile

- Full Stack Engineer with experience producing web applications, building user interfaces and improving back-end processes.
- Technical skill set, with **JavaScript/TypeScript**, **React & Vue.js, Node.js**, and **PHP**, along with cloud services such as **AWS** and **CI/CD.**
- Key contributions during each phase of the **Software Development Life Cycle**, including optimizing **MySQL** queries for report accuracy, designing responsive user interfaces, and deploying new features.
- Collaborative team player with strong interpersonal skills, able to influence and **align multiple teams** with conflicting priorities to drive results.

Technical Skills

AI/ML Frameworks: LangChain.js, OpenAI API + Embeddings
AI Architecture: RAG, Context-Aware Chatbots
AI Integration: ChromaDB, MemoryVectorStore, Document Processing Pipeline

Languages: JavaScript, TypeScript, PHP, Python
Databases: PostgreSQL, MongoDB
Testing Framework: Jest

Frameworks & Libraries: React, Next.js, Vue.js, Nuxt, Node.js/Express.js
Cloud Services & DevOps: AWS (EC2, Lambda, S3), Git, Docker, CI/CD

Work Experience

Lake Forest Web Designs

Lake Forest, California

Developer/Owner   2022 - Present

- Builds and maintains websites for small businesses, making sites that are user-friendly and fully responsive.
- Design marketing materials, manage email campaigns, and set up business emails for clients.
- Integrated **Google Maps** and other APIs to enhance site functionality and user engagement.
- Migrated hosting services from AWS to DigitalOcean, reducing hosting costs by 75% by using containerization and server optimization.
- Deployed and managed **Docker** containers to ensure fast, and reliable website/application launches.
- Provides technical support, troubleshooting issues for clients, and keeping sites running.

LifeMD 🔗

Huntington Beach, California

Associate Full Stack Engineer   Feb. 2021 - May 2023

- Enhanced internal reporting, API creation, back-end services and interfaces, using technologies such as **JavaScript** and **Vue.js**, **PHP**, **MySQL**, and **AWS S3**.
- Revamped the user interface of multiple applications by integrating **Vue.js**, employing **Vuetify** and reusable components, which yielded an application performance boost.

- Developed better **MySQL** queries to supply data for internal reporting, thus improving report accuracy.
- Enhanced the speed of prescription generation by developing a PDF generator with **PHP**, transforming **HTML** into PDFs using **TCPDF**.
- Developed cron jobs with **Bash**, leveraging cron scheduling**,** automated scripts and **AWS S3**, which downloaded and archived the previous day's patient phone call recordings from Five9, storing them securely in LifeMD's **AWS S3** bucket.
- Developed a call monitoring system, featuring patient call data tables and audio playback for review, using **SQL** and **JavaScript, Vue.js,** successfully enhancing call reviews.
- Collaborated within a cross-functional team including the **Admin Portal Team**, the **Director of Engineering**, and the **CTO**, employing **Agile** practices, including daily stand-up meetings and bi-weekly sprints.
- Delivered **technical presentations** to the team on new designs, features and development plans. Maintained a high engagement in meetings, asking the right questions to reach understanding.

Eagle Industrial Group [↗]

Rancho Santa Margarita, California

Front-End Web Developer   Mar. 2018 - Jul. 2020

- Developed three high-performing ecommerce platforms using **HTML5, CSS3, JavaScript,** and **WordPress**, enhancing the design with **Bootstrap**, and integrating payment gateways with **WooCommerce**.
- Implemented **cost-reduction strategies** by assuming responsibilities previously held by a highly-paid contractor, utilizing in-house expertise to manage web development, which significantly lowered recurring service costs.
- Engineered an automated email marketing campaign featuring **Mailchimp**, incorporating data segmentation and personalized email workflows with content focusing on rack installation services, thereby generating between an additional **200-300** monthly installation inquiries.
- Implemented batch and automation scripts using Adobe Photoshop and **Google Sheets**, accelerating the production process of print advertisements and achieving a throughput increase of **40%**.
- Created over 20 **SEO-optimized** blog articles to enhance the visibility of the garage storage division and redesigned presentations and advertisements, for both print and web.

Eight Horses [↗]

Irvine, California

Front-End Web Developer (contract)   Sep. 2017 - Feb. 2018

- Collaborated with a team of copywriters, graphic designers and developers to produce website content and emails for a large network of local and national clients.
- Developed and maintained websites using **WordPress**, **Shopify**, and **BigCommerce**, incorporating plugins for **Google Maps**, chat functionality, and **SEO**.

Scuba.com [↗]

Irvine, California

Webmaster   Jul. 2014 - Jul. 2016

- Saved management **4** hours per week with promotional email campaigns, product combinations, themes, and subject lines, driving increased site traffic and open rates.
- Delivered a range of marketing materials including online videos, quizzes, contests, print ads, and **20+** blog articles; provided IT support to Windows PCs, reducing downtime and improving productivity.

Projects

Student Enrollment RAG Chatbot [↗]

- Knowledge base integration by implementing web scraping with Python, creating vector embeddings with OpenAI's text-embedding-ada-002, and developing a hybrid vector store system using ChromaDB and MemoryVectorStore for real-time document retrieval.
- Added lead generation form when a student expresses interest in enrollment to the chatbot..
- Technologies include: **Next.js, TypeScript, React, Node.js, LangChain, SQLite, Python**,and **OpenAI API.**

Trizify ⎘

- Deployed a **Chatbot** utilizing **MongoDB** to provide a way for engineers to ask questions and receive answers from Open AI's GPT model with the Triz principles to help them solve, innovate and think through problems effectively.

Patient Appointment Booking ⎘

- Recently deployed a patient appointment booking app that streamlines patient registration, appointment scheduling,
- Uses Appwrite,a backend-as-a-service platform that provides REST APIs and a backend infrastructure for full stack applications
- Technologies include: **Next.js**, **Twilio API** , **SendGrid**, **TypeScript**, and **Tailwind CSS**.

Airline Assistant ⎘

- Customer support assistant for a fictional airline named FlightAI.
- Helps find prices and generates a styled image of the destination
- Uses OpenAI's language models for chat interactions (text & speech) and DALL-E for image generation.
- Technologies include: **Python**, **OpenAI API** , **Gradio**, and **Anaconda**.

Education

LearningFuze ⎘   Irvine, CA
Full-Stack Web Development Program   Jul. 2020 - Feb. 2021

San Francisco State University ⎘   San Francisco, CA
B.Sc. in Visual Communication Design   Aug. 2011 - Jun. 2013