Jacob Diehl

Denver, Colorado | 970-582-0018 | jakediehl17@gmail.com
LinkedIn | Github | Youtube

I hold a Bachelor's degree in Biology, which cultivated my statistical acuity and dedication to the scientific method. I augmented my skills with Ruby, Rails, Javascript, and React training at Flatiron School. Post-graduation, I excelled in setting up Apache2 servers on AWS EC2 instances, secured websites using Certbot, and harnessed Next.js for high-performance web development. Additionally, I delved into design concepts and developed an understanding of Lambda layer configuration, enabling CORS OPTIONS in API gateway, and setting up serverless RDS Aurora Databases.

TECHNICAL SKILLS

Familiar with both object oriented and functional programming. Ensuring reusability and modularity of code. A basic understanding of reduction of loops to lower $O(n)$. ServerSide rendering to increase speed of website. API calls that can either connect to a database, use sockets for instant messaging, or webRTS for video and collaborative projects.

TECHNICAL PROJECTS

Impresario Entrepreneurial Solutions - Github | website
Impresario is a freelancing services platform that encompasses web design, development, content generation, and SEO.
- Developed a Robust chat application using SWR(Stale While Revalidate) and nodeMailer on FAAS architecture.
- Implemented secure user authentication using next-auth, MongoDB, and BCrypt.js.
- Integrated Stripe webhooks for a secure payment system across Impresario services.

Diehl Domain - Github | website
A personal portfolio website to showcase my skills as an engineer.
- Implemented serverless messaging with SWR for turn based games.
- Developed modular SCSS components to dynamically change site colors.
- Handled multiple games so an unlimited number of players can play games online.

Impresario Job Solutions- Github
Impresario Job Solutions allows users to write about their skills and job history and with a click of a button can generate why they would be a good fit for the company as genuinely as possible through the OpenAI API.
- Implemented a secure user authentication with PSQL and BCrypt.js.
- Integrated Stripe webhooks for secure payment systems.
- Routed advanced prompts to OpenAIAPI.
- Scrapes data off Linkedin's jobs page with Vanilla JavaScript.
- Utilized jsPDF to convert the GPT response to pdf.

EXPERIENCE

FlatIron   Denver, Colorado
Mentor   12/23 - present
- Inspired project ideas for students to build and helped them discover different resources to realize projects.
- Taught how to navigate deployment on Render and how to troubleshoot problems from Render's logs.
- Solved coding errors in projects and proposed solutions.

DataAnnotation   Denver, Colorado
Software Engineer   2/24 - present
- Query and compare AI model responses. Rank the models based on security, helpfulness, and truthfulness.
- Look at other people's queries and determine if the queries followed the instructions for the project.
- Built complex games with webRTC sharing live data between browsers to challenge AI models.

EDUCATION

Flatiron School   Denver, Colorado
Full Stack Web Development, Ruby on Rails and JavaScript program   04/23

Central Michigan University   Mount Pleasant, Michigan
Bachelor of Science in Biology   12/18