

AMBER HANDAL

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EXPERIENCE

Artsea | Viridian

Dec 2023 - Present

- **TypeScript, Next.js, tRPC, Tailwind CSS, Prisma, NextAuth.js**

- Pioneering fullstack solutions for a networking web application using the T3 Stack.
- Designing and implementing the UI/UX with Tailwind CSS and Next.js, focusing on responsive, user-friendly interfaces.
- Creating robust backend functionalities, including routers and endpoints, with TypeScript and tRPC, for efficient data handling.

Associate Software Engineer | Infotech

May 2022 - Present

- **TypeScript, GraphQL, Prisma**

- Engineered a comprehensive web-based bidding platform for contractors, centralizing bidding tools to boost efficiency and reduce costs. This platform played a crucial role in increasing bidding accuracy, reducing staff time, and attracting more bidders, being a key factor in the **67% revenue contribution** from our division.

- **Ruby on Rails, AWS**

- Developing the backend for a web-based platform aiding contractors and subcontractors in the transportation industry. This platform ensures compliance with state Prompt Payment laws, enhancing real-time payment monitoring and reporting. Contributed to a **27% divisional revenue increase**.

- Lead cohort of interns throughout the product development cycle using agile methodology to optimize workflow.

iOS Tech Fellow | CodePath

Aug 2021 - Dec 2021

- Instructed a 14-week course of 25+ students for designing and developing functional apps for iOS devices.
- Topics taught in this course included networking, RESTful API implementation, and user authentication.

PROJECTS

Sollum | C#, Unity

- Actively participated in the development of systems and gameplay as part of a **cross-functional team of 30 students**, utilizing C# and Unity to enhance game functionality and user engagement.
- Assisted in identifying and solving technical issues, contributing to the optimization of game performance and user experience through focused problem-solving and efficient coding practices.
- Engaged collaboratively in a diverse team, supporting decision-making processes and project development, while honing communication and teamwork skills.

Hagglr | Ruby on Rails, SQL, HTML, CSS

- Engineered a full-stack reverse-auctioning web application with a customized user interface using Bootstrap for an enhanced user experience.
- Structured the backend using Ruby on Rails, optimizing for high-volume traffic of **over 1000 client-side requests per minute**.
- Utilized SQL for complex backend data retrieval, focusing on efficient query structures for product type and compatibility searches, significantly improving data processing speed and accuracy.

SKILLS

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|---------------------------------|---|
| Languages | C++/C#, Ruby, TypeScript, JavaScript, Python, GraphQL, SQL, Swift, Java |
| Frameworks and Libraries | Ruby on Rails, React (Next.js), Tailwind, Vue, Express |
| Tools and Databases | Git, Node, AWS, MongoDB |

EDUCATION

University of Florida

May 2019 - May 2024

Bachelor of Science in Computer and Information Science Engineering

GPA: 3.3

Relevant Coursework Performant Programming, Computer and Information Security, Computer Network Fundamentals, Introduction to Data Science, Introduction to Software Engineering, Programming Language Concepts, Data Structures and Algorithms, Operating Systems, Information and Database Systems, Computer Architecture, Programming Fundamentals, Application of Discrete Structures

Involvement CodePath, Women in Computer Science Engineering, Association for Computing Machinery, GatorTech, The Center for Safety, Simulation Advanced Learning Technologies (CSSALT)