MALLORY ALLEN

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PROFESSIONAL SUMMARY

Senior Software Developer with over 8 years of experience at top tech companies like Shopify and Coursera. Skilled in building and scaling web applications using React, GraphQL, Typescript, Node.js, and more. I bring a broad range of front and back-end expertise, consistently delivering high-quality solutions. Experienced in leading projects, mentoring teams, and thriving in fast-paced environments. Passionate about creating impactful, user-centric experiences.

SKILLS

- API Integration
- Front-end Frameworks
- Testing and debugging
- Web application development
- Code Review
- Mentoring
- Version Control
- Project Management

WORK EXPERIENCE

Self Employed
VR Asset Developer // Remote // December 2023 to Current

- Created, marketed, and sold prefab assets on online marketplaces aimed at the social VR platform VRChat.
- Wrote scripts in C# using a subset of Unity features supported by the platform.
- Created 2D and 3D art using Blender, Substance, and Unity.
- Wrote custom shaders using Unity's ShaderLab and Amplify Shader Editor.

Coursera
Senior Software Developer // Remote // August 2022 to March 2023

- Developed frontend features with React, GraphQL, and Typescript.
- Worked with teams to integrate components smoothly into existing systems.
- Managed project timelines to deliver high-quality code on schedule.
- Reviewed code to maintain standards and improve quality.

Shopify
Staff Developer // Ottawa, ON // October 2015 to August 2022

- Helped build and maintain front-end platform technologies, integrating a universal React application with a legacy stack.
- Improved performance of a complex web application, reducing load times by over 60%.
- Mentored junior team members, fostering growth and providing technical guidance.
- Lead a project which halved build times on a massive single page application.
- Lead a project to display performance regression information on PRs to prevent shipping negative changes.
- Created and advocated for exceptional UX experiences and best practices in frontend technologies.
- Enhanced software functionality by identifying and resolving complex issues, and provided constructive feedback through regular code reviews.

- Maintained comprehensive documentation and facilitated knowledge sharing across teams.
- Designed, pitched, and planned projects, contributing to overall product quality and team success.

I-Sight
Junior Software Developer // Ottawa, ON // May 2015 to August 2015
- Worked with project teams to deliver case management platforms for clients such as HP and Walmart.
- Created and maintained Node.js microservices.
- Built Backbone.js frontend applications.
- Administered and interacted with PostgreSQL databases.
- Built code generation tools to speed up creating new forms.

EDUCATION
College Diploma - Computer Programming
Algonquin College // Ottawa, ON // 2014
- Graduation Dean's List, Winter, 2014
- 3.72 GPA

LANGUAGES
English
Native or Bilingual

French
Limited Working

PERSONAL PROJECTS
- **VRChat Assets**: Creator and seller of custom VRChat assets with a variety of prefabs for the community.
- **Maru's Arcade (VRChat)**: Built and maintained a VRChat world featuring 10+ fully functional arcade cabinets. The world has attracted over 500,000 visits and 27,000+ favorites.
- **Crystal Defenders (VRChat)**: Created a VR tower defense game with over 600,000 visits and 35,000+ favorites.
- **Music Production**: Produced original music tracks for various personal projects, incorporating electronic, rock, and ambient styles.
- **Gamejams:** Developed a game jam game using Godot, combining fast-paced action with quirky visuals and retro music. Developed VR experiences for jams using Unity.