

ROBERT BENDICK

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SKILLS

Languages and Frameworks	JavaScript, TypeScript, Dart, Lua, Rust, Flutter, React, Express
Tools	Git, AWS, Google Cloud Platform, Docker
Soft Skills	Teamwork, Communication, Problem Solving

PROJECTS

Ray Tracing September 2023

Technologies: Rust

Description: Constructed a ray tracer incorporating advanced rendering techniques, showcasing lifelike sphere rendering with dynamic shadows, intricate reflections, and detailed refractions.

- Significantly improved compile time by adding multi-threading and Xoshiro RNG algorithms.
- Implemented anti-aliasing to improve the quality of the image.
- Leveraged Rust's memory safety features to minimize allocation and improve performance for large, complex scenes.

Curb Companion October 2022

Technologies: Express, Node, RESTful API, MongoDB, Heroku, AWS S3, Dart, Flutter

Description: Partnered with a colleague to create and deploy a project linking users with mobile vendors (e.g., food trucks) navigating various locations.

- Lead Scrum development life cycles from initial development to the external beta release.
- Implemented security using authentication with JWTs, input validation and sanitation, password hashing, rate limiting, and other best practices.
- Developed the mobile front-end using Dart and Flutter, ensuring a seamless experience for both Android and iOS users.
- Released internal beta to identify pitfalls and explore potential future features.

ArenaMarker June 2021

Technologies: Lua

Description: Developed a fully customizable community Add-On/plugin for an online game that effortlessly automates tedious UI tasks.

- 75k+ downloads.
- Rank 14 in popularity among other addons in its respective category.
- Gathered customer requirements & prioritized user stories.

WORK HISTORY

Freelance Web Developer June 2022 - September 2022

Freelance Web Developer September 2024 - October 2024