

# ROBERT BENDICK

+1 (916) 277-3383 ◇ North Highlands, CA ◇ [robbiebendick@gmail.com](mailto:robbiebendick@gmail.com)  
[linkedin.com/in/robert-bendick](https://linkedin.com/in/robert-bendick) ◇ [github.com/RobbieBendick](https://github.com/RobbieBendick) ◇ [robbiebendick.com](https://robbiebendick.com)

## SKILLS

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

## PROJECTS

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Ray Tracing 2023 - Present

Technologies: Rust

Description: Developed a ray tracer that employs advanced rendering techniques which includes realistic 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.

ArenaMarker 2021 - Present

Technologies: Lua

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

- 43k+ downloads.
- Rank 14 in popularity among other addons in its respective category.
- Gathered customer requirements & prioritized user stories.

Roaming Vendors 2022 - Present

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

Description: Developed and deployed this project, with a colleague, to connect users and mobile vendors (i.e. food trucks) who are constantly going from location to location.

- 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 front-end, cross-platform mobile application in Dart using Flutter for Android and iOS.

## WORK HISTORY

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Freelance Web Developer June 2022 - September 2022

## EDUCATION

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KhanAcademy, Udemy, FreeCodeCamp, and free online Harvard CS50 course 2019

Cracking the Code Interview 6th Edition 2020

Scrum: The Art of Doing Twice the Work in Half the Time 2020

Introduction to Algorithms, 3rd Edition (The MIT Press) 2021