

# Rob Murdock

Software programmer, team lead, process coach, and process improvement philosopher.

## Hire me if you want:

- Someone ready to get their hands dirty solving problems and improving systems.
- A steady advocate for improved collaboration, trustworthiness, speed, and fast value.
- A constant teacher for leveling up team members, with a deep toolkit of everyday-learning techniques.
- An experienced perspective regarding “Agile” and “Extreme programming” practices, based on 18 years of applying, teaching, and tweaking them.
- Someone passionate about understanding the core value of the work, and building the core value into every step of the process.
- A counselor for helping teams work through interpersonal or career issues while still moving a project forward.

## My primary work passions are

- Building valuable products
- Creating thriving, resilient teams
- Pushing new boundaries in successful collaboration.

## Contact

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Twitter: [zegreatrob](https://twitter.com/zegreatrob)

Web: <https://www.zegreatrob.com>

## Proficiencies

18 years of experience in diverse domains (desktop, server-side web, client-side web, embedded, service APIs).

Skilled at rebuilding an application incrementally without adversely affecting functionality. Legacy rescue, system upkeep.

## Languages

*Extremely strong*

Kotlin, Typescript, C#, Golang, Java, Javascript

*Meaningful experience*

C, Swift, C++, Python, SQL/NOSQL variants, CSS.

## Technologies

*Extremely strong*

Gradle, Docker, multi-platform Kotlin, GraphQL, React, cloud deployment platforms (PCF, AWS ECS, Kubernetes-likes), serverless technology (AWS Lambda, GCF cloud functions), Webdriver, CSS, REST, Dropwizard, Spring, Oauth integrations, secure JWT provisioning.

*Meaningful experience*

Conversational AI (Dialogflow, Voice-flow), MQTT, AWS-IoT, SSO and authentication APIs.

## Practices and Techniques

*Extremely strong*

Test-driven development, multi-layer automated testing, continuous integration, trunk-based-development, continuous delivery, paired-programming, work prioritization, cadence meetings, minimum-viable-planning, multi-disciplinary collaboration, application architecture, build+deployment pipeline design, service architecture

*Meaningful experience*

Large-scale service architecture, public API design

## Career History

Lead Software Engineer - Slang.ai 2022-2023. This includes work on:

Natural language conversation AI functionality (the Slang Concierge) using GCP Dialogflow. Multiplatform Kotlin (JS/JVM), using React, KTOR and Micronaut. Streaming audio manipulation over telephony. Continuous delivery to live customers with rare errors.

Tech Lead, Senior Full-Stack Agile Engineer - Integral 2020-2021. This includes work on: Enterprise multi-cloud authentication and authorization using AWS Lambdas at large scale, as well as mobile-phone-based vehicle remote control interfaces. Enterprise work and targeted product work, respectively.

Principal Artisan - Pillar Technology / Accenture, 2014-2020. This includes work on:

Authentication Systems (legacy and modern), Customer-facing Automotive Menu applications, Payment services, API, and SDKs, Solutions Conception for overhauling field support tools. Generally, a mix of new product work and maintenance of enterprise software.

Senior Developer - Menlo Innovations, 2005-2014. This includes work on:

High-performance scientific data collection/analysis software (systems + UI), Distributed Work Assignment Systems, Management/Administration Systems, Android + iOS development. Generally, targeted product development for a variety of clients.

## More

If you want to learn more about how I think, I've written a number of essays and papers that are available online, on subjects related to software development, collaboration, team structure, and more. There are available at <https://www.zegreatrob.com>.

Experiment before you implement!