Rob Murdock

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

Hire me if you want:

- Someone ready to get their hands dirty to solve problems and improve 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 15 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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Proficiencies

15 years of programming experience in diverse set of 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

Java, Javascript, Kotlin, C#, Typescript, Go

Meaningful experience

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

Technologies

Extremely strong

Docker, React, Dropwizard, Spring, cloud deployment platforms (PCF, AWS, Kubernetes-likes), Gradle, multi-platform Kotlin, webdriver, CSS, REST style APIs, node.js

Meaningful experience

GraphQL, MQTT, cloud-based MQTT (such as AWS-IoT), SSO and authentication APIs, OAuth, JWT.

Practices and Techniques

Extremely strong

Test-driven development, automated testing at all system layers, continuous integration / branching strategies, continuous delivery, pair-programming, work prioritization in multiple styles (kanban, sprints, etc), cadence meetings (stand-ups, demos, planning), minimum-viable-planning (short term + long term), multi-disciplinary collaboration, application architecture, build+deployment pipeline design, smaller-scale service architecture

Meaningful experience

Remote pair-programming, larger-scale service architecture, API design (library and endpoints)

Career History

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.

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.

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://robertfmurdock.github.io.

Experiment before you implement!