

Matthew Bogard

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TECHNICAL EXPERTISE

JavaScript | React | Node.js | TypeScript | PHP | Python | Java
Amazon Web Services (Certified Solutions Architect Associate) | LLMs | SQL | Docker | GitHub | GitLab

EXPERIENCE

Ludi, Inc.

October 2023 – Present

Senior Full Stack Software Developer

- **Team Leadership:** Led deployments of major features for the company's flagship software product.
- **Product Partner:** Guided epic design reviews, serving as a key liaison between Product and Engineering teams, aligning all on project requirements and implementation details..
- **Full Stack Development:** Demonstrated proficiency across the entire technology stack, taking ownership of feature development from conception to completion, including data modeling, back-end architecture, front-end implementation, and cloud infrastructure setup.
- **Process Improvement:** Proactively identified areas for improvement in my team's development processes, increased productivity with AI tools, implemented strategies for enhanced code review thoroughness, increased test coverage, and well-documented deployment practices.
- **Fast Problem Solver:** Excelled as the go-to developer for quickly implementing updates needed to meet client feedback. Balancing ad hoc work with planned sprint work.
- **Technology Migration Lead:** Managed the migration of major updates of the business' main software product including cloud/application architecture redesigns, as well as major version upgrades of our database and programming languages.

Passport, Inc.

March 2021 – August 2023

Software Engineer

- **Full Stack Development:** Owned and completed feature development work for a suite of enforcement applications in React, Node.js, Java, and PHP.
- **Innovative Development:** Designed and implemented a real-time GPS map tool utilizing JavaScript, React, Node.js, and AWS services, enhancing enforcement team operations and system scalability.
- **Architectural Leadership:** Enhanced system architecture for the business' most important API using Node.js and AWS Lambda, achieving long-term scalability and improved system performance.
- **Product Partner:** Contributed as a key player in planning meetings by identifying scope and edge-cases for features, and adding developer notes to assist engineers.
- **Deployment Management:** Led major deployments, was responsible for a significant amount of the team's sprint story points and maintaining successful sprints.
- **Mentorship:** Guided junior and mid-level engineers, facilitating team-acclimation, solving for operational challenges due to timezone and communication style differences.

Red Ventures

December 2018 – March 2021

Software Engineer

- **Full Stack Development:** Owned and completed feature development work for central revenue-driving APIs as well as internal business tools in Node.js, Java, and React.
- **Revenue Protection:** Developed a critical React and Node.js application to safeguard the business' main revenue pipeline against third-party API failure, exhibiting strategic architectural thinking.
- **Architectural Innovation:** Overhauled a Content Management System for a vast editorial collection, leveraging Node.js, Python, and MySQL for efficient content delivery, ensuring robustness and scalability.

- **Product Partnership:** Contributed in planning and retrospective meetings, adding context to features reviewed in planning, and providing ideas for how the team can improve collaboration in retrospectives.
- **Cloud Management:** Established and managed AWS cloud infrastructure, using infrastructure-as-code methods such as Terraform to support various applications (React, Node, Java, Python, and PHP).

Scientific Politics, LLC
Founder & Developer

2018 – Present

- Created a generative AI macOS application that accelerates task completion by using multiple AI agents that autonomously iterate and refine their approach to any given task. Available at ai.mbogard.com (2024)
- Developed JavaScript web applications presenting US congressional voting records and Census data, focusing on intuitive design and user-friendly experience. Available at: mbogard.com/congress (2022) and mbogard.com/census (2018).

Texas Health & Human Services
Project Manager, Rate Analyst

January 2017 – June 2018

- Managed programming initiatives for Texas Medicare & Medicaid rates in a large department. Oversaw application code for annual adjustments in Medicare & Medicaid rates.

EDUCATION

Stanford Online - Machine Learning Specialization course completion (2023)

- Learned the fundamentals of machine learning and how to use these techniques to build real-world AI applications.

DeepLearning.AI - Various courses completed on the latest in AI technology (2023 - 2024)

- Completed the following courses: “ChatGPT Prompt Engineering for Developers”, “LangChain Chat with Your Data”, and “LangChain for LLM Application Development”

Amazon Web Services - Certified Solutions Architect Associate (2021)

The University of Texas at Austin - Graduated Full Stack Web Development certification program (2018)

The University of Texas at Austin - Graduated with a Bachelor’s Degree in Government (2013-2016)