Max Paulus

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SUMMARY

Innovative Full Stack Software Developer with 8 years of experience at Amazon, specializing in AI-driven system design and implementation. Spearheaded the creation of an AI purchase agent, boosting success rates by 10-20%, and led a team in launching Amazon's BuyForMe feature in under a year. Seeking a Forward Deployed Engineer role to drive cutting-edge solutions and optimize product functionality through strategic design and AI proficiency.

EXPERIENCE

Full Stack Software Developer

Amazon   March 2019 - September 2025, San Francisco, CA

- Owned the design/implementation for an AI purchase agent remediation system, which takes past agentic purchase logs, and creates suggestions for improving the AI agent reliability. Partner with research teams to determine best way to improve AI agent. Once integrated with the agent improvement orchestration system and browser automation system, remediation system projected to improve agent purchase success rates by 10–20%.
- Owned the backend design/metrics/implementation/maintenance of an Email relay system to support agentic purchasing with 3rd party merchants within the amazon app (Amazon's BuyForMe). Dealt with multiple trade-offs to satisfy product and security hardening requirements. Incorporated fast decision making and compromise in order to achieve fast delivery. Currently adding continuous deployment functionality to the system. Currently receiving/parsing/relaying 1500 emails per day and growing.
- Helped build a new Amazon team from scratch for the purpose of a new AI system to purchase 3rd party products (Amazon's BuyForMe). Included interviewing candidates, adaptability to partner team charters/goals, teaching/mentoring 5+ new hires, writing onboarding documents. These hires contributed to a successful launch of the Amazon BuyForMe feature in under a year.
- Owned the Typescript React Native frontend implementation/maintenance of a native Video Platform that all teams at Amazon now use to view videos/livestreams in the Amazon app.
- Owned the javascript React Native frontend design/implementation/maintenance of a "Consult A Friend" feature in the amazon app, enabling customers to ask friends for advice on products.
- Owned the frontend design/implementation of a "Cart Preview" feature, enabling customers to view cart content from anywhere in the app.

Software Developer

Inmobi   June 2017 - March 2019, Irvine, CA

- Owned the API design for an ambitious project called "Direct Campaigns", which would allow Inmobi customers to run own ad campaigns. These APIs successfully supported hundreds of clients, and the project brought forth $300K in new yearly revenue.
- Integrated two large enterprise-level ad-serving systems into one unified system, collaborating successfully with teams located on the other side of the world. Required extremely clear communication skills to not waste time with churn.
- Collaborated with backend and frontend dev teams to enhance and maintain large scale systems (the advertisement server handled ~6 million requests per minute).
- Communicated with product teams to successfully implement features according to detailed and complex specifications. Implemented at least 50+ features, big or small.

Software Consulting Intern

Tallan, Inc   July 2016 - September 2016, Irvine, CA

- Collaborated in small teams to assist in the creation of an enterprise-level insurance software system using ASP.NET, Angular JS, and SQL Server.
- Learned the basic principles of software consulting, including talking with clients, dealing with changing requirements, etc...

PROJECT

Internal Deployment MCP Server

Amazon · August 2025 - September 2025

- Implemented and maintained an internal MCP server used by over 50+ engineers and non-engineers within amazon. Engineers use the MCP server to speed up a standard part of the amazon deployment process.
- Continually collaborate with engineers by reviewing pull requests and making sure the MCP server scope stays relevant.
- As the main point of contact for the MCP server, field at least 10 questions per week from people who wonder about how MCP works.

· Help troubleshoot 3-4 issues per week with new people wanting to use the MCP server locally.

· Recorded Videos and wrote documentation to help new people onboard to the MCP tool.

AI Adventures

Personal · February 2025 - September 2025

· Having never gardened or built anything before, set up a home garden from scratch using AI.

· Used AI deep research to learn about what to plant, where to plant, how to plant, how to maintain.

· Used AI to help research and build the gardening raised beds (what materials to use, how to execute basic carpentry).

· Plants all still thriving for the past 6 months.

· Harnessed artificial intelligence to independently tackle home improvement and gardening challenges, resulting in sustainable solutions and cost savings in the hundreds of dollars through data-driven decision making.

ShadowDark Digital Character Sheet

Personal · sd-character-sheet.onrender.com · September 2023 - September 2025

· Solo Project to help people track Dungeons and Dragons characters digitally. Handles ~5000 requests per day to players via the owlbear.rodeo gaming platform.

· Joined the ShadowDark reddit and Discord communities to understand player's digital character tracking needs. Gathered 20+ requirements from those communities, all of which the final tool supports.

· Maintained frequent contact with Kelsey, the author of the ShadowDark book, to verify this personal project aligned with the vision of the game.

· Collaborated with other ShadowDark tool-makers to ensure that the digital character sheet kept compatible with other tools.

· To this day, still employing stakeholder management skills, reading pull requests, and maintaining the repo and domain.

Chinchon Card Game

Personal · chinchon-game.onrender.com/ · May 2022 - December 2022

· Solo Project to help 2-4 friends play the Chinchon card game together.

· Solved stubborn live multiplayer network issues. Supports multiplayer games using a waiting room style multiplayer system. Can support up to 50 waiting rooms.

· To this day, friends and families still visit this website to create and play the game at least once a week.

PodWithFriends

Personal · pod-with-friends.herokuapp.com · March 2020 - April 2020

· Web app to connect 2-5 friends together to record a podcast.

· Recorded ~10 podcasts with friends using this tool, and saved 2 hours of manual effort per recording session.

· Conducted 4 user research studies with co-workers to drive clarity on where the tool could improve.

EDUCATION

B.S. Computer Science

University of California, Irvine · 2017 · 3.7

SKILLS

Programming:

Advanced: Javascript, TypeScript, Java, React Native

Intermediate: Objective-C, Python, iOS programming, AWS CDK

Beginner: Ruby, Android Programming, Bash, Golang, SvelteJS

Software:

Proficient: VS Code, Cline, Cursor, IntelliJ, Git, Command Line, MacOS

Intermediate: Linux, AWS, XCode

Beginner: Docker, Redis, JIRA