

JOSHUA PALAMUTTAM

Hands-On AI Product Engineer | AI Engineering Manager | AI Agents, Search & Data Platforms

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EXPERIENCE

SeekOut

December 2025 - Present

AI Engineering Manager (Senior Software Engineer 2) / Bellevue, WA

- Built and launched SeekOut's MCP product from a customer-backed idea to public launch across the server, Apps UI, OAuth, authentication and authorization, Kubernetes, rate limiting, analytics, public docs, and the ChatGPT App Store; join customer setup calls, deliver demos, and partner with Sales as adoption and load grow.
- Improved public people-search benchmark precision from 88% to 98.3%, then scaled evaluation coverage to 1,400 queries while cutting agent turns from 15-25 to 4-11.
- Built and validated a multi-model sourcing agent with React, OpenAI Agents SDK, LiteLLM, Redis, and live search; cut strategy generation from 28+ to about 8 tool calls and chart latency from about 5s to 1s cold/instant cached.
- Manage SeekOut's AI engineering team while shipping production code; built a workbench with 70+ reusable workflows and 20 specialized agents, and helped drive company-wide agentic-development adoption through shared tooling and live demos.

SeekOut

March 2021 - December 2025

Senior Software Engineer 2 (promoted three times from Software Engineer) / Bellevue, WA

- Productionized LLM-powered candidate scorecards that surface top candidates from 1,000+ applicants per job and embedded evaluation into customer ATS workflows.
- Built Spot's multi-ATS ingestion, Unified Profile, ORM, Docker database tests, and production migrations, enabling customer inbound workflows, richer cross-index search, and a new sales capability.
- Built LLM- and vector-assisted natural-language search that generates Boolean queries for Azure Cognitive Search and Lucene.
- Migrated ETL pipelines for multiple clients from Azure Functions to Databricks, reducing pipeline errors and building Delta Lake tables for time-series and business analytics.
- Built and operated an external partner API handling 25 million calls per week.

Counterpart

May 2020 - March 2021

Software Engineer / Fishers, IN

- Owned React architecture and delivery for the Indiana Commission for Higher Education; shipped .NET MVC products for task management, environmental reporting, and volunteer engagement.

The Permanente Medical Group, Inc.

February 2020 - May 2020

Junior .NET Analyst / Software Engineer, Contract / San Jose, CA

- Built .NET Core and SQL applications for the Genetics Department, including an assay-management tool, from stakeholder requirements through production support.

DMI

June 2019 - February 2020

Software Engineer / Indianapolis, IN

- Developed an Angular, Node.js, and AWS serverless auction-operations POC and C++/.NET transmission-simulation components for Allison Transmission.

EDUCATION

Rose-Hulman Institute of Technology

2015 - 2019

Bachelor of Science in Computer Science

SKILLS

Languages: C#, Python, TypeScript, JavaScript, Java, SQL

Frameworks: .NET Core, .NET, React, Angular, Node.js, Spring, EF Core

AI, Search & Data: MCP, AI agents, OpenAI Agents SDK, LiteLLM, LLM evaluation, Azure Cognitive Search, Lucene, vector search, Databricks, Delta Lake, ETL

Cloud & Tools: Azure, AWS, OAuth, Kubernetes, Docker, Redis, Git, Azure DevOps, PostgreSQL, SQL Server, Application Insights, Datadog, Postman, REST APIs, xUnit