Kenneth Sánchez

Senior Software Engineer · Kiro CLI, Amazon Web Services
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Software engineer with 14+ years of experience at Amazon, Microsoft, and Mobilize.Net. I build developer tools and the systems that help coding agents understand code, retrieve knowledge, and interact with developers. My work spans terminal rendering, semantic search, experimentation, and serverless infrastructure.

EXPERIENCE

Amazon Web Services · Kiro CLI

Senior Software Engineer · Previously SDE II
September 2023 - present · Senior since July 2026

- Created Twinki, a flicker-free terminal renderer with native full-screen mode, and integrated Kiro Workflows into Kiro.
- Built /goal, sub-agent monitoring, /knowledge, and Code Intelligence.
- Built local semantic search and persistent indexing. Integrated language servers for symbols, definitions, references, and diagnostics, alongside AST manipulation.
- Improved CLI startup, rendering performance, memory use, and distribution size.
- Built serverless subscription workflows, usage APIs, metering, and activation signals.
- Co-inventor of U.S. Patent 12,764,034 for secure multi-model hosting and experimentation; granted October 13, 2026.

Amazon · Alexa Shopping

Software Development Engineer II
August 2022 - September 2023

Microsoft · Edge Browser

Software Engineer II
December 2021 - August 2022

- Reduced enterprise search result load time from approximately one minute to three seconds.

Amazon · Seller Services

Software Development Engineer II
February 2019 - December 2021

- Built scalable seller systems and serverless micro-frontends using AWS Lambda and CloudFront.

Mobilize.Net

Senior Software Engineer
April 2012 - February 2019

- Built automated code analysis and migration tools. Led desktop-to-web modernization involving VB6 and C# WinForms applications.

ENGINEERING FOCUS

Languages
Rust, TypeScript / TSX, JavaScript, C#, C++, Java

Agent & developer tools
MCP, language servers, AST manipulation, semantic search, retrieval, indexing, agent orchestration, terminal rendering

Cloud & systems
AWS Lambda, CloudFront, ECS, distributed systems, serverless workflows, APIs, metering, experimentation

Interfaces
React, terminal interfaces, developer experience

OPEN SOURCE

RobertoMCP
Language-agnostic code analysis MCP server.

agent-memory-rs
Agent memory in Rust.

EDUCATION

Universidad de Costa Rica
Computer Engineering
2008 - 2011

GRANTED U.S. PATENT

U.S. Patent 12,764,034
Co-inventor
Granted October 13, 2026