

Jake Keleher

SOFTWARE ENGINEER - TECHNICAL ANALYST

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Software Engineer with experience building production-scale full-stack applications, AI-powered analytics platforms, and cloud-native data solutions. Skilled in React, Python, FastAPI, Java, SQL, and Databricks, with experience processing 240M+ records, integrating LLMs, and developing software that transforms complex enterprise data into actionable insights. Active Secret Clearance.

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, HTML/CSS, Bash, SQL, PHP
Frameworks & Libraries: React, FastAPI, REST APIs, Angular, Tailwind CSS, OpenCV, PyQt6
Databases and Cloud: Databricks SQL Warehouse, SQLite, MySQL, AWS EC2
AI/Machine Learning: Claude AI, Anthropic API, Databricks AI Gateway, K-Means Clustering
Developer Tools: Git, GitHub, WordPress, Elementor, WooCommerce

WORK EXPERIENCE

Technical Analyst

September 2026 – Present

[QuidelOrtho - San Diego, CA](#)

- Map current-state **Lead-to-Cash and Order-to-Cash processes**, documenting workflows, systems, handoffs, dependencies, and opportunities for process improvement.
- Translate business requirements into **BRDs, functional requirements, and evaluation criteria** for enterprise software solutions.
- Evaluate third-party solutions for **functionality, SAP integration, Salesforce/PROS compatibility, scalability, and enterprise requirements**.
- Collaborate with cross-functional stakeholders to define **future-state processes, system requirements, and technology solutions**.

Software Engineering Intern

May 2026 – September 2026

[QuidelOrtho - San Diego, CA](#)

- Designed and developed a production full-stack sales intelligence platform using **React 18, Python, and FastAPI**, transforming **240M+ production records across 10,000+ customer accounts** into ranked sales opportunities.
- Engineered scalable **Databricks SQL** analytics pipelines and a custom opportunity-scoring algorithm using **six operational metrics** to identify high-value customer accounts from real-world instrument usage data.
- Integrated **Claude AI through Databricks AI Gateway** to enable conversational analytics, customer comparisons, revenue projections, and automated sales insights.
- Implemented **K-Means clustering, interactive dashboards, and Leaflet geospatial visualization** to segment customers and analyze opportunities across **44 U.S. sales territories**.
- Built revenue forecasting tools and **automated Excel reporting workflows**, replacing manual account analysis with repeatable, data-driven sales planning.
- Deployed the application as a **serverless Databricks App**, delivering a scalable production system that enables sales teams to identify and evaluate high-value opportunities in seconds.

Software Engineer Intern

June 2025 – August 2025

[Naval Information Warfare Center Pacific - San Diego, CA](#)

- Designed and implemented a modular desktop application in **Python/PyQt6** for controlling FLIR GigE cameras with **real-time streaming, recording, and configurable camera settings**.
- Built a **real-time computer vision** system using OpenCV to detect laser targets and calculate azimuth/elevation coordinates for tracking and visualization.
- Developed a multi-source testing architecture supporting live camera feeds, images, and recorded video, **improving testing efficiency and software reliability**.
- Integrated weather data services and operational telemetry into the user interface to enhance situational awareness during field testing.

Web Developer Intern

February 2026 - May 2026

Omens Agency - San Diego, CA

- Developed and maintained custom WordPress websites using PHP, JavaScript, HTML/CSS, and Advanced Custom Fields (ACF).
- Implemented custom themes, WooCommerce functionality, and Elementor components for client websites.
- Optimized website functionality, SEO, and maintainable development workflows.

PROJECTS

TurboVets – Full-Stack Task Management Platform

- Built a full-stack task management platform using NestJS, Angular, SQLite, and TypeORM with JWT authentication and role-based access control.
- Designed hierarchical authorization supporting Owner, Admin, and Viewer roles with organization-scoped permissions.
- Implemented secure CRUD operations, audit logging, task categorization, and task ordering.

Custom Portfolio Website - EmilyNavaDesign

- Built a responsive portfolio site to showcase a client's brand identity and artwork.
- Integrated Instagram feed for real-time updates and enhanced UX with animations and modular code.
- Deployed on Netlify with Git-based version control.

EDUCATION

Point Loma Nazarene University — San Diego, CA

B.A. in Computer Science: Software Engineering, Minor in Graphic Design

Graduated: May 2026 | GPA: 3.6