

UC Berkeley EECS graduate and full-stack software engineer with 4+ years of professional software development experience. Background in backend systems, SQL optimization, access control, and multi-tenant architecture. Track record of owning production systems end-to-end, with a focus on database performance, API design, and secure data access.

WORK EXPERIENCE

Founder & Full-Stack Developer - QueryQode CRM

Remote | May 2020 - Present

queryqode.com/crm

- Architected and shipped a multi-tenant CRM for education consultancies (PHP, JavaScript, MySQL), serving 5 offices, 54 users, and 323 sub-agents managing 11,200 leads and 13,779 enrolled students.
- Implemented async API operations for CRUD operations and status changes, cutting response time from ~2-4s to ~300-600ms via preloaded reference data and SQL indexing.
- Designed an audit logging system capturing before/after diffs, user identity, timestamp, and operation type, enabling recovery from user errors and providing a complete change history for compliance and debugging.
- Designed a three-tier RBAC system (admin/employee/sub-agent) with per-user operation-level permissions, scoped data visibility, and financial data isolation from sub-agents; extended to a read-only partner portal via per-partner URLs.
- Built a lead capture pipeline with path-based routing to database-driven per-sub-agent landing pages, source attribution tracking, customizable auto-reply emails, and automatic commission attribution on application financials.

Web Developer - Small Business Incubator Program, San Diego Mesa College

Remote | Aug 2022 - Present

- Delivered 9 production websites as an independent contractor for a college-sponsored small business incubator, managing each engagement end-to-end from requirements through 12-month post-launch support, with 2 actively maintained today.
- Designed a reusable PHP/JS CMS framework with configurable branding, SEO metadata, form handling, and navigation management, deployed across all 9 client sites, reducing per-site build time by ~50% over successive engagements.

Tutor / Course Staff - CS169A Software Engineering, UC Berkeley

Berkeley, CA | Summer 2025, Fall 2025

- Ran weekly office hours for 35 student teams building Rails applications, diagnosing architectural issues, reviewing test suites, and guiding teams from introductory projects through a 2-iteration final delivery.
- Refined and maintained GitHub repository provisioning scripts for 35 student teams, cutting per-semester setup from 3 hours to 15 minutes and eliminating manual consistency errors.

Web Developer - New Style Technology

Jeddah, Saudi Arabia | Jan 2016 - July 2020

- Integrated a SQL Server-based ERP accounting system with Shopify and OpenCart, automating invoice entry for hundreds of daily transactions and eliminating ~1 min/invoice of manual data entry.
- Built a full event management platform with ticketing, payments (Payfort), attendance verification, automated certificate issuance, and integrations to Kajabi, InfusionSoft, and Shopify, reducing per-attendee processing from ~30-45s to ~5s and post-event staffing from 3-4 employees to 1.

PROJECTS

Software Engineer - Flexextensions (Team Project)

UC Berkeley | Feb 2025 - May 2025

flexextensions.berkeley.edu

- Built the core student-facing request workflow for a UC Berkeley extensions platform (Canvas API + Gradescope), including forms, alerts, and email notifications, enabling students to submit and track extension requests in a unified interface.
- Reduced review time from ~30-45s/request to ~2-5s/request by improving the approval UI flow and TA/instructor tooling.
- Increased automated test coverage from ~10% to ~80%, adding critical-path tests and improving CI/CD pipeline reliability.

EDUCATION

Bachelor of Science in Electrical Engineering & Computer Sciences • University of California, Berkeley, CA • December - 2025

SKILLS

- **Languages:** JavaScript, Python, PHP, SQL, Ruby, Go, Java, C/C++
- **Frameworks/Libraries:** FastAPI, Node.js, Express, Rails, React, Bootstrap
- **Databases:** MySQL, SQL Server, Oracle, MongoDB
- **Tools/DevOps:** Git, Docker, Linux, Webpack, GitHub Actions, RSpec, Cucumber, Heroku