

Karlee Perpignant

QA Engineer | Boston, MA | kperpignant@gmail.com | kperpignant.github.io | linkedin.com/in/karlee-perpignant | github.com/kperpignant

Work Experience

Resilient Coders (Intensive AI Fellowship)

AI Engineering Fellow

Feb '26 - May '26 | Boston, MA (Remote)

- Built end-to-end AI-powered applications using TypeScript, Next.js, Convex, and LLM APIs to automate workflows and enhance user interactions
- Designed and implemented full-stack architectures integrating frontend, backend, and AI services
- Explored prompt engineering, model evaluation, and LLM behavior to improve output quality and reliability
- Applied structured testing and validation strategies to ensure accuracy and consistency of AI-generated results
- Rapidly prototyped and iterated on solutions using modern AI-assisted development tools

Resilient Coders (Intensive Engineering Fellowship)

Software Engineer

Aug '25 - Jan '26 | Boston, MA (Remote)

- Developed full-stack applications using JavaScript, Node.js, Express, and MongoDB
- Built RESTful APIs and data-driven features supporting dynamic user workflows
- Collaborated with agile teams, contributing to sprint planning, code reviews, and feature delivery
- Debugged and optimized application performance and reliability
- Applied software development best practices including version control, testing, and documentation

Epic Games

QA Analyst II

Nov '21 - Oct '23 | Boston, MA (Hybrid)

- Partnered with engineering and product teams to validate complex live-service systems from requirements through release
- Designed and executed structured test strategies across critical user flows, improving release quality and reducing production risk
- Analyzed system behavior and identified defects using logs, reproduction steps, and root cause investigation
- Contributed to regression and release validation processes in a fast-paced, high-scale environment
- Created onboarding and process documentation to improve team efficiency and knowledge sharing

Harmonix Music Systems

QA Tester

Nov '19 - Nov '21 | Boston, MA (Hybrid)

- Created and executed detailed functional and regression test plans for console and networked features
- Tested multiplayer and backend-dependent systems to ensure stability and performance across distributed environments
- Collaborated with developers to verify feature implementation against acceptance criteria.
- Identified edge cases and high-risk areas through exploratory and risk-based testing methodologies

Smartsheet

Technical Customer Support Specialist

May '19 - Sep '19 | Boston, MA (Onsite)

- Diagnosed and triaged 150+ SaaS client support tickets monthly, collaborating with development teams to reduce bug resolution time by 25%
- Tested, documented, and escalated customer-reported bugs to improve product reliability and user experience

Harvard University

QA Assistant

May '18 - Mar '19 | Cambridge, MA (Onsite)

- Performed functional and regression testing for an HR application with multi-role user access controls
- Substantiated business logic and data integrity using SQL queries
- Developed test documentation and maintained test cases aligned with evolving requirements
- Assisted in validating user permission models and backend-driven workflows

Selected Projects

DORA

AI Assisted Product Management

<https://github.com/kperpignant/DORA>

- Built an AI-powered application integrating user input, backend logic, and LLM-generated outputs
- Designed workflows that automate translation and content generation tasks
- Improved system reliability through prompt iteration and output validation
- Documented system architecture and usage for scalability and maintainability

AlphaTest

Test Case Management

<https://github.com/kperpignant/AlphaTest>

- Developed a full-stack application to manage test cases, execution tracking, and reporting
- Modeled real-world QA workflows to improve visibility and operational efficiency
- Applied analytical thinking to design structured testing systems and data flows

Skills

Agile/SDLC, AI-assisted development, API integration, backend development, CI/CD basics, Claude Code, Convex, Cursor, HTML/CSS, LLM APIs, prompt iteration, Bug Tracking, C#, Debugging, Express, Full-Stack Development, Gemini, Git, Github, Javascript, Jira, Log Analysis, MongoDB, Node.js, Regression Testing, Smoke Testing, SQL, TypeScript, Vercel, Playwright, LangChain, Anthropic, GitHub Actions, Vercel

Certificates

Certified Tester Foundation Level (CTFL)

ASTQB - ISTQB

Google IT Support Professional

Google