

Payam Dehkordy

Staff Software Engineer (QA Automation, Full-Stack Development, EDA, AI Automation)

CONTACT

Location: Yerevan, Armenia | Remote worldwide (US/Canada overlap preferred)

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Portfolio: www.payam-dehkordy.com

TARGET ROLES

Staff Software Engineer | Staff QA Automation Engineer | Senior/Staff SDET | QA Automation Lead (EDA) | Full-Stack Engineer

PROFESSIONAL SUMMARY

Staff-level QA Automation and Full-Stack Engineer with 9+ years of experience in EDA software quality, test architecture, and engineering delivery.

Domain focus: Synopsys, mission-critical EDA workflows, Linux-based toolchains, regression quality, release readiness.

Specialization: AI chat integration, AI agent development, LLM workflow automation, and skill-file engineering.

CORE SKILLS

QA Automation & Quality Engineering

Test Strategy, Test Planning, Risk-Based Testing, API/UI Automation, End-to-End Regression, CI/CD Quality Gates, Defect Lifecycle, TDD, BDD, Performance and Reliability Testing, Cross-Platform Validation.

EDA Domain Expertise

EDA Quality Validation, Regression Infrastructure, Linux Toolchain Validation, Semiconductor Software QA Operations.

Development & Architecture

Full-Stack Development, REST APIs, SQL, Server-Side Rendering, Native Stack Migration, Modular PHP Architecture, Technical SEO, JSON-LD, Canonical/Sitemap/Robots Strategy, SDLC/STLC Collaboration.

AI & Delivery Tooling

AI Chat Integration, AI Agent Development, Agentic Workflows, Prompt Engineering, Skill File Engineering, LLM Workflow Automation.

Languages, Frameworks & Tools

Python, JavaScript, PHP, C#, Java, Bash, Perl, TCL, SQL, .NET, Selenium, NUnit, SpecFlow, Flask, Flutter, Linux Shell, Jenkins, GitHub Actions, GitHub, GitLab, Postman, Jira, Perforce.

PROFESSIONAL EXPERIENCE

Synopsys | 2023 - Present | Yerevan, Armenia

Staff Software QA Automation Engineer | 2026 - Present

- Own QA strategy and technical quality direction in EDA software delivery.
- Drive test architecture modernization and scalable quality frameworks.
- Implement AI chat and AI agent workflows for engineering execution speed.
- Mentor engineers and improve quality visibility and execution consistency.

Senior Software QA Automation Engineer | 2023 - 2026

- Built EDA automation frameworks and regression systems across release cycles.
- Validated Linux-based toolchains across multiple execution environments.
- Used Perforce, Jira, and Bash/TCL/Perl/Python for quality automation.

EPAM | 2022 - 2023 | Yerevan, Armenia

Manual & .NET Automation QA Engineer

- Delivered .NET automation with Selenium, NUnit, and SpecFlow.
- Performed API/UI testing and integrated GitHub Actions and Jenkins pipelines.
- Applied TDD/BDD in agile release cycles.

Freelancer | 2017 - 2022 | Yerevan, Armenia

Software QA Engineer & Mobile App Tester

- Executed white-box and black-box testing for mobile and web products.
- Delivered UI/UX testing and design collaboration using Figma and Adobe XD.
- Worked with Flutter, Android tooling, APIs, and e-commerce delivery.

KEY PROJECTS

- **Synopsys - EDA QA Automation:** Built cross-platform regression and validation frameworks for mission-critical EDA flows.
- **Synopsys - Layout Portal & OASIS Portal:** Developed internal validation platforms to improve quality visibility and reusable QA infrastructure.
- **Sahakyan Law Office Redesign & Redevelopment:** Led WordPress-to-native migration with modular PHP architecture and technical SEO improvements.
- **AI Chat & Agent Integration System:** Implemented task-focused AI agents and reusable skill-file workflows.

EDUCATION & TRAINING

- Bachelor of Electronic Engineering - Shahrekord University (2007 - 2014)
- Software Testing Automation - EPAM Training Center (2022)
- Introduction to Java - Armenian Code Academy (2022)
- Applied AI Courses - Synopsys Internal Training (multiple courses)

LANGUAGES

Persian (Native), English (A1 Basic), Armenian (B1 Intermediate)