

TATIANA YEREMENKO

Technology Professional - Software Development & Testing - AI Enthusiast

tatiana.v.yeremenko@gmail.com | linkedin.com/in/tatianayeremenko | San Francisco Bay Area, CA

PROFESSIONAL SUMMARY

Technology professional with many years across the full development lifecycle—from requirements gathering and design through development, testing, deployment, and ensuring products work exactly as customers need them. Thrive in fast-paced startup environments where I can see products scale from concept to production. Strong in Python, JavaScript, TypeScript. Specializing in AI/ML development using LangChain, RAG, multi-agent systems, and Model Context Protocol.

TECHNICAL SKILLS

Programming: Python, JavaScript, TypeScript, SQL, HTML, CSS

AI/ML: LangChain, LangGraph, RAG, Prompt Engineering, PyTorch, Hugging Face, OpenAI API, MCP

Testing: Playwright, Selenium, Pytest, API Testing, Performance Testing, End-to-End Testing

Tools: Git, GitHub Actions, JIRA, AWS, Docker, CI/CD, pgAdmin4, Confluence

PROFESSIONAL EXPERIENCE

AI Quality Engineer / AI Feature Integration Analyst | Jaxel (Qantech Project), Remote | May 2025 - Present

Verify AI integration and ensure AI features work as designed for the AI healthcare platform serving the Spanish market.

- Test AI-powered medical data extraction from healthcare documents (invoices, prescriptions, medical records), validating accuracy of diagnosis codes, procedure codes, and structured data extraction
- Validate AI document classification system across multiple document types, achieving 96 percent accuracy through automated testing framework
- Verify RAG-based medical code inference service works as designed, ensuring accurate retrieval from client-specific catalogues using vector database
- Conduct performance testing of ML inference services to ensure less than 5 second response times and system uptime of 99 percent or higher
- Develop automated test suites using Python for API integration testing and ground truth validation
- Collaborate with AI team on prompt engineering validation and quality metrics tracking for model accuracy and pipeline success rates

Lead AI Engineer / Product Developer | Fashion Weather (www.fashionweather.ai), Remote | Jan 2025 - May 2025

Built Fashion Weather solo—an AI stylist that analyzes local forecasts and generates personalized outfit recommendations with photorealistic visuals using OpenAI GPT-3.5 and AI image-generation models.

- Developed Python backend and JavaScript frontend connected through Model Context Protocol (MCP) for synchronized communication between Google Weather API, OpenAI models, and image-generation services via JSON-RPC 2.0 messaging
- Deployed application on AWS Elastic Beanstalk with fully automated API integration and model synchronization workflows
- Designed an intelligent fashion recommendation engine curating weather-ready looks—from boardroom to date night—blending diffusion and luxury brands for any forecast

- Demonstrated end-to-end mastery of applied AI systems integration, model orchestration, and consumer-facing generative applications

Senior Software QA Engineer | GoGuardian, CA | Sep 2021 – Jan 2025

- Managed technical validation initiatives across cross-functional engineering teams in an Agile environment
- Oversaw full lifecycle validation of applications and system integrations from requirements to deployment
- Developed a Playwright automation framework integrated with GitHub Actions improving deployment efficiency
- Collaborated with engineering, product, and business teams to translate requirements into effective validation solutions
- Managed third-party testing services to ensure seamless platform integration and validation coverage

Software QA Consultant | Freelance | San Jose, CA | Jan 2020 – Aug 2021

- Provided specialized consulting services focused on platform optimization and system validation
- Developed custom validation strategies for diverse technology platforms and system integrations
- Managed project timelines and maintained high-quality standards for client deliverables

Software QA Automation Engineer | Versonix, Campbell, CA | Aug 2017 – Dec 2019

- Directed testing and optimization of global web-based platforms supporting thousands of concurrent users
- Built comprehensive testing frameworks using Selenium WebDriver with Python reducing manual validation time
- Ensured seamless integration between business platforms and third-party services through systematic validation
- Implemented strategies to validate scalability, security, and system responsiveness across environments

Software QA Engineer | IJS Solutions, Santa Clara, CA | Jan 2007 – Jan 2013

- Oversaw validation for medical records applications ensuring compliance with privacy and security regulations
- Utilized SQL for backend debugging, data integrity validation, and system performance analysis
- Created and maintained validation documentation and testing procedures adopted as standard practices

Computer/Systems Administrator | De Anza College, Cupertino, CA | Jan 2006 – Jan 2007

- Managed educational technology infrastructure and handled system validation responsibilities in an academic environment

EDUCATION & CERTIFICATIONS

- • Fundamentals of AI Agents Using RAG and LangChain
- • Python for Data Science, AI & Development
- • Technology & Programming – De Anza College, Cupertino, CA
- • B.A. Teaching Degree from Russia