Keenan Finkelstein

Pensacola, FL

keenanfinkelstein@gmail.com

850-619-0756

linkedin.com/in/keenan-finkelstein-96200a42/

https://github.com/krflol/brAInstorm

https://github.com/krflol/Adornment

Software Engineer

Accomplished Software Engineer with over a decade of experience delivering innovative solutions for global companies across diverse industries, including publishing, analytics, laboratories, direct mailing, and the U.S. Government. Proven expertise in full-stack development, digital workflows, automation, and RESTful APIs. Consistently improves systems to ensure operational excellence, drives significant revenue growth through strategic feature development, and enables comprehensive data collection to ensure compliance with federal regulations.

Technical Skills

Languages: Python, Perl, HTML, CSS, SQL, VBA, C# (WPF)

Frameworks/Libraries: React, Flask, Django, FastAPI, Pandas, NumPy, TensorFlow, OpenAI, PyTorch, Selenium, BeautifulSoup, Requests

Tools: AWS, Adobe Creative Suite (InDesign, Illustrator, Photoshop)

Methodologies: Agile, Test Automation, Machine Learning, Deep Reinforcement Learning

Other: RESTful APIs, Solution Design, Project Support

Professional Experience

Software Engineer IV - Elsevier (Remote, 2022-2023)

Skillfully maintained and optimized a complex 20-year-old Perl monolith serving as the critical document repository for academic journals

Spearheaded the development and launch of a Django application for efficient bulk uploads

Developed and implemented high-impact helper scripts for the team using Perl and Python, streamlining workflows and boosting productivity

Senior Software Engineer and IT Manager - Regenative Labs (Pensacola, FL, 2020-2022)

Engineered and maintained critical features for patient data collection, sales, purchasing, and distribution of cutting-edge medical products, directly contributing to explosive monthly revenue growth from hundreds of thousands to millions of dollars

Pioneered a "page as component" design pattern using React to rapidly implement business-critical features while minimizing interaction with legacy codebase, resulting in significant efficiency gains

Architected and built a RESTful API as a backend to the React frontend, enabling near real-time feature implementation and enhancing system responsiveness

Designed and deployed intuitive dashboards empowering healthcare providers and staff to effectively use and observe submitted information, greatly improving data visibility and decision-making

Developed a game-changing digital "Prior Authorization" workflow with real-time communication between providers and billers, streamlining the authorization process and reducing delays

Successfully brought the project into full HIPAA compliance, enabling secure data collection while maintaining strict regulatory standards

Mentored and inspired junior engineers in React, HTML, CSS, Rust, and Python, fostering a culture of continuous learning and growth

Senior Software Engineer and Manager - Action Mailing Service (Pensacola, FL, 2017-2020)

Spearheaded the development of custom solutions for a high-volume mailing company using a VBA tech stack, with a strong emphasis on automation and efficiency

Implemented a comprehensive modernization of the technology stack through innovative automated solutions in Python and C# (WPF), resulting in significant performance improvements

Forged strong collaborative relationships with clients and colleagues to ensure optimal project delivery and client satisfaction

Education and Certifications

Earned certifications and completed extensive training in submarine electronics and sonar technologies from the U.S. Navy

Additional Experience

Computer Field/Sonar Technician, U.S. Navy

Installation Technician, DirecTV

Vacation Rental Maintenance Technician, Property Care Solutions