

Contact

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github.com/JimGalvan (Portfolio)
www.codewars.com/users/jinux95
(Other)
leetcode.com/jimmy-galvan/
(Portfolio)

Top Skills

Deep Learning
Model Deployment
PyTorch

Languages

English (Native or Bilingual)
Spanish (Native or Bilingual)

Certifications

JavaScript Algorithms and Data Structures
API Testing Foundations
Selenium Essential Training
Building Test Automation Framework using Selenium and TestNG
Scheduling Selenium TestNG tests via Jenkins CI/CD tool

Jim Galvan

Software Engineer @ Alphatec Spine | Automation | Microservices & Cloud | Applied AI & Computer Vision
Encinitas, California, United States

Summary

As a Software Engineer at Alphatec Spine, I specialize in developing scalable .NET-based microservices using ASP.NET Core and .NET 8.0, while driving innovation in applied AI with tools like PyTorch, YOLOv8, and OpenCV for advanced computer vision solutions. My work emphasizes clean architecture principles to support robust and efficient systems.

I am also the Founder and Software Engineer of NexMenus, where I lead the development of a multi-tenant SaaS platform for restaurant menu management. By leveraging Django, PostgreSQL, and AWS S3, I create mobile-first, localized applications with secure subscription workflows through Stripe integration. My education in Java programming from UC San Diego Extension strengthens my technical foundation.

Experience

Alphatec Spine
Software Engineer
November 2023 - Present (2 years 3 months)
United States

- Developed and deployed an ML-based quality inspection system for surgical screw detection using Python, YOLOv8, OpenCV and PyTorch.
- Engineered an iterative training workflow with augmentations, achieving robust model performance in varying conditions.
- Built and maintained microservices with .NET 8.0 and ASP.NET Core, implementing clean architecture patterns for scalability.

NexMenus

Founder & Software Engineer
July 2024 - Present (1 year 7 months)
San Diego, California, United States

- Founded and developed NexMenus, a multi-tenant SaaS platform for restaurants.
- Architected a full-stack application using Django, PostgreSQL, and AWS S3 for seamless digital menu management.
- Integrated Stripe for subscription management and implemented GDPR compliance workflows to ensure data security.
- Designed a mobile-first responsive dashboard with localization support for enhanced user experience.

Ace Parking

QA Automation Engineer | DevOps Engineer

August 2021 - November 2023 (2 years 4 months)

San Diego, California, United States

- Rebuilt the full CI/CD pipeline from scratch using Jenkins, Docker, and AWS, significantly enhancing deployment times.
- Developed and maintained UI test automation using Selenium, JUnit, Java, and Katalon, alongside API testing with JavaScript and Postman.
- Resolved issues in over 50 outdated test cases across four major test suites, improving stability and accuracy in regression testing.

Dexcom

SW Test Development Engineer 1

January 2020 - August 2021 (1 year 8 months)

San Diego, California, United States

- Conducted functional testing of BLE and Wi-Fi-enabled glucose monitoring devices and companion mobile applications.
- Developed and maintained test automation for iOS and Android applications using Java, JUnit, and Appium.
- Collaborated with developers and project managers in Scrum ceremonies to ensure timely and aligned deliverables.

Education

UC San Diego Extension

Java programming, Computer Software Engineering · (2019 - 2020)