

Héctor Alonso Remedios

Software Engineering Lead | AI-Driven Development, Full-Stack Systems, Automation & DevOps

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PROFESSIONAL SUMMARY

Software Engineering Lead with a strong full-stack background and a current focus on AI-driven development, automation, DevOps, and engineering productivity. Experienced building scalable web platforms, APIs, internal tools, CI/CD workflows, QA automation practices, and production deployments. Known for combining solid software engineering fundamentals with modern AI tools to accelerate delivery, improve documentation, reduce repetitive work, and support better technical decision-making across teams.

CORE STRENGTHS

AI-Driven Development	Engineering Leadership	Full-Stack Systems
Automation & Productivity	Backend/API Design	DevOps & CI/CD
QA Automation	Cloud Deployments	Agile/Scrum Delivery
Technical Problem Solving	Code Review & GitFlow	Documentation & Mentoring

PROFESSIONAL EXPERIENCE

Software Engineering Lead / Senior Software Engineer | PFX Technologies

2023 - Present | Remote / United States

- Lead software engineering initiatives across full-stack development, automation, DevOps workflows, and platform reliability.
- Use AI-driven development practices to accelerate coding, debugging, testing, documentation, and technical research.
- Collaborate with product, QA, and business stakeholders to ship reliable software solutions while improving engineering workflows.
- Support team productivity through code review, technical guidance, process optimization, and maintainable architecture decisions.

Core technologies: AI-assisted tools, Python, Django/DRF, JavaScript/TypeScript, Angular, APIs, Git/GitFlow, CI/CD, Linux, Nginx, Unicorn

Full-Stack Developer | Osigoo

Oct 2021 - Sep 2023 | Remote

- Developed full-stack web features and supported product delivery across backend and frontend workstreams.
- Contributed to web development initiatives using JavaScript and related modern development practices.
- Worked across implementation, troubleshooting, maintenance, and continuous improvement of production systems.

Core technologies: Web development, JavaScript, full-stack engineering

Full-Stack Developer | Autonomous / Freelance

Jun 2021 - Nov 2021 | Remote

- Delivered freelance web development projects with emphasis on Python, Django, backend logic, and practical business requirements.
- Worked directly with client needs, implementation decisions, debugging, and delivery of maintainable solutions.

Core technologies: Python, Django

Full-Stack Developer | ESoft Private

Jan 2020 - Jun 2021 | Remote

- Helped maintain the company main product and supported secondary software developments for a team of Cuban developers.
- Applied Git, GitFlow, and CI practices to improve collaboration, version control, and delivery quality.
- Worked across multiple technologies including .NET Core, Laravel, Node.js, Angular, Bootstrap, and Material to solve product needs.
- Improved SEO practices using Google Search Console and browser-based analysis tools.
- Added unit testing practices to improve code quality and long-term maintainability.

Core technologies: Git, GitFlow, CI, Angular, Bootstrap, Material, .NET Core, Laravel, Node.js, SEO, unit testing

Senior Python Developer | HX AP Dev

Jun 2019 - Jun 2021 | Remote

- Built and consumed APIs using Python requests and Django REST Framework for cryptocurrency-related products and communities.
- Delivered community-requested features using agile methodologies and iterative feedback.
- Hosted and maintained websites on DigitalOcean using Debian, Nginx, Unicorn, and production deployment practices.

Core technologies: Python, Django, Django REST Framework, Requests, DigitalOcean, Debian, Nginx, Unicorn, Agile

Web Developer | Infomatic Company

Apr 2016 - Aug 2020 | Havana, Cuba

- Developed custom web applications and corporate websites for different entities and business needs.
- Worked directly with clients to gather ideas, structure requirements, and build standardized database models.
- Created reusable base code with integrated security foundations for future projects.
- Worked with maps and OpenStreetMap at an intermediate level, and participated in a science forum with positive results.

Core technologies: Python, Django, databases, OpenStreetMap, web applications

EDUCATION

Universidad Tecnológica de La Habana "José Antonio Echeverría" - CUJAE | Software Engineer

2013 - 2019 | Havana, Cuba

Vocational High School Institute of Exact Sciences Vladimir Ilich Lenin | High School Diploma

TECHNICAL SKILLS

AI & Productivity: AI-driven development, prompt engineering, GitHub Copilot, AI-assisted debugging, AI-assisted documentation, workflow automation

Languages & Frameworks: Python, Django, Django REST Framework, JavaScript, TypeScript, Angular, C#, .NET, Node.js, Laravel

DevOps & Cloud: Linux, Debian, DigitalOcean, Nginx, Gunicorn, CI/CD, Git, GitFlow, deployment automation

Testing & Quality: Unit testing, QA automation, API testing, code review, maintainability, documentation

Data & Web: SQL, databases, REST APIs, SEO, Google Search Console, OpenStreetMap

SELECTED CERTIFICATIONS

- Prompt Engineering with GitHub Copilot; Migration from .NET Framework to .NET 6; SAFe 5.0 Development Practitioner
- Python certifications: Basic, Fundamental, and Advanced - HackerRank and TestDome
- C# certifications: Basic and Intermediate - HackerRank
- SQL Basic - HackerRank; System Expert - TestDome; SEO / Web optimization related training