

Pedro Henrique de Miranda Arthur

Software Engineer | Los Angeles, USA

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Professional Summary

Software Engineer with over 10 years of experience specializing in full-stack development with C#, React, Node.js, and Python. Expert in cloud technologies, including Azure and AWS, with a focus on building scalable and efficient microservices architectures. Proven success in leading projects, integrating AI-driven solutions, and mentoring development teams. Passionate about delivering high-performance systems that leverage modern technologies to drive business outcomes.

Employment History

DEC 2023 - PRESENT
San Ramon, CA

Remote

Software Engineer III, Robert Half

- Led the architecture and implementation of scalable microservices using containerized .NET, ensuring resilient and efficient deployments in distributed environments, while enforcing strict network security policies to safeguard sensitive data and resources.
- Engineered custom GPT-based solutions using Azure OpenAI, driving innovation and enhancing user experiences by integrating AI-driven capabilities into client-facing products.
- Collaborated with cross-functional teams to deliver high-impact AI solutions, optimizing performance for large-scale deployments and ensuring seamless integration across diverse systems.
- Mentored and led new hires and interns, creating a structured onboarding process with comprehensive documentation, which reduced direct training time by 30%, enabling faster team productivity and smoother transitions.

DEC 2021 - DEC 2023
San Ramon, CA

Remote

Software Engineer II, Robert Half

- Led the migration of high-traffic APIs from various projects, upgrading from .NET 6 to .NET 8, delivering improved performance, reduced latency, and greater scalability to support business growth.
- Enhanced user experience by updating UIs across multiple projects, ensuring compatibility with the latest npm packages and React/Angular frameworks, leading to faster rendering times and a more responsive interface.
- Containerized microservices using Docker, optimizing deployment processes and enabling seamless scaling across distributed environments, resulting in faster service delivery and better resource utilization.
- Automated and optimized CI/CD pipelines, introducing end-to-end build and deployment automation that improved release velocity, reduced deployment failures, and increased operational stability across environments.
- Designed and implemented a scalable redaction process using Azure Functions in Python, allowing efficient data processing at scale while maintaining compliance with security standards and reducing operational overhead.

MAR 2017 - NOV 2021
Los Angeles, CA

Software Engineer, PY Trading Inc

- Designed and developed an in-house ERP system for inventory management, seamlessly integrating with 7+ e-commerce platforms, enabling real-time data synchronization and reducing manual intervention.
- Automated order tracking workflows, eliminating the need for manual carrier updates and enhancing the accuracy and timeliness of order status updates across platforms.
- Automated key e-commerce workflows such as order retrieval, inventory updates, and shipment notifications, resulting in a 50% reduction in required staffing over two years and generating substantial cost savings while scaling operations efficiently.

SEP 2015 - DEC 2016
São Paulo, Brazil

Software Engineer Internship, [Microsoft](#)

- Full-stack development and requirement gathering for the Rio 2016 Olympic and Paralympic Games Official Website.
- 100% availability during events.

MAY 2014 - MAY 2015
São Paulo, Brazil

Software Engineer Internship, [BRQ Digital Solutions](#)

Education

MAR 2018 - JAN 2020
Los Angeles (CA)

MBA (Concentration in Management Information Systems),
California Trinity University

JAN 2013 - DEC 2016
São Paulo (BR)

Bachelor's Degree in Systems Information, Mackenzie
Presbyterian University

Certifications

Microsoft Technology Associate: Software Development Fundamentals

Microsoft Technology Associate: Database Fundamentals

Skills

Languages	Azure	Docker	SQL
<ul style="list-style-type: none">• C#• Python• JavaScript• React• Angular• Node.js• TypeScript• SQL	<ul style="list-style-type: none">• Functions• OpenAI• API Management• App Service• Cosmos DB• Service Bus• Key Vault	<ul style="list-style-type: none">• Containerized .NET Applications• Microservices Deployment	<ul style="list-style-type: none">• Microsoft SQL Server
	AWS	CI/CD	NoSQL
	<ul style="list-style-type: none">• EC2• S3• Lambda	<ul style="list-style-type: none">• GitHub Actions• Azure Pipelines• YAML	<ul style="list-style-type: none">• Cosmos DB• MongoDB• Redis

Languages

English Fluent	Portuguese Native	Spanish Fluent
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Links

Personal Website	Github	Linkedin
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