

Pedro Henrique Ferreira de Souza

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Location: São Paulo, Brazil

Education

Pontifícia Universidade Católica - MG (Aug/2017 – Dec/2022)

Bachelor's Degree in Computer Science

Pontifícia Universidade Católica - MG (Jan/2024 – Mar/2025)

Postgraduate Degree in Software Engineering

Professional Profile

Communicative, fast learner, problem-solving mentality, and ability to work under pressure. Proactive, and with a strong teamwork mindset. Focused on delivering tasks on time and with high quality. Fast learner of new programming languages and technologies with a strong passion for hardware and programming. Constantly seeking to deepen knowledge independently.

Languages

Portuguese: Native | English: Fluent | Spanish: Advanced

Technical Skills

- Cloud Platforms: AWS, GCP, Azure, Digital Ocean
- Programming Languages: Python, Java, C++, JavaScript (NodeJS, React), VBA
- Infrastructure as Code (IaC): Terraform, Ansible, Bicep
- Containers: Docker, Kubernetes
- CI/CD Pipelines: Github Actions, Jenkins, Azure DevOps
- Network Knowledge: TCP/IP, FTP, VPN, DNS, SNMP, NAT, Firewall & Proxy
- Web Servers: Apache, Nginx, IIS
- Databases: MySQL, SQL Server, PostgreSQL
- Monitoring: Zabbix, Grafana, Prometheus, Dynatrace
- FinOps Culture
- Other: Linux, Windows, Fortinet Fortigate Firewall, VMWare ESXi, Cloudflare

Professional Experience

Solvd, Inc - Software Engineer (May/2025 - Present)

- Software development and debug using .NET(C#).
- Application deployment on Azure using Container App.
- Container orchestration with Docker.
- Infrastructure as Code (IaC) with Bicep and Terraform.
- Migration of CI/CD from Azure DevOps to Github Actions.

FALCONI Consulting - DevOps Engineer (Mar/2021 – May/2025)

- Developed automation scripts using Python, improving deployment and reducing costs by 15%.
- Deployed applications across AWS, GCP, and Azure cloud environments, ensuring smooth operations.
- Managed container orchestration (Docker, Kubernetes) on cloud platforms, reducing downtime by 20%.
- Implemented and maintained Terraform and Ansible (IaC) for scalable infrastructure.
- Created and optimized CI/CD pipelines using Github Actions, Jenkins, and Azure DevOps, leading to faster and more reliable deployments.
- Monitored and managed network and application performance with Zabbix, Prometheus, and Grafana.
- Managed SQL Databases (MySQL, SQL Server, PostgreSQL) and Firewalls (Cloudflare, Fortigate).
- Configured and managed Web Servers (Apache, Nginx, IIS).

AETHRA Automotive Systems - Software Engineer (Mar/2019 – Feb/2020)

- Developed industrial automation systems using Python, VBA, and NodeJS.
- Built frontend solutions using React and backend services in NodeJS, Java, and Go.
- Collaborated on cross-functional teams to deliver software solutions to replace manufacturing operations.

Technical Projects

- Built a machine learning model using Python to detect patterns in X-ray images for breast cancer diagnosis.
- Developed a compiler using C++ for a custom programming language as part of a project led by professor and Ph.D Alexei Machado.
- Participated in scientific research on ubiquitous computing and implemented software to manage data from HTML files.