

Bruno de Oliveira

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About Me

Senior Azure Platform Engineer with 6+ years of experience building and operating scalable cloud platforms and distributed application infrastructure. Strong track record in Infrastructure as Code with Bicep, ARM templates, and Terraform, complemented by Kubernetes, networking-focused platform engineering, CI/CD automation, reliability engineering, customer-facing delivery, and 24/7 production operations in distributed teams.

Experience

Valtech, Platform Engineer

- Designed and deployed standardized Infrastructure as Code patterns using Bicep and ARM templates, complemented by Terraform expertise, establishing modular, reusable templates for multi-region Azure environments.
- Architected and managed diverse Azure environments including Kubernetes (AKS), Container Apps (ACA), Function Apps, and App Services with a focus on scalability, resilience, and secure operations.
- Partner directly with customer engineering teams to design, implement, and ship production infrastructure changes aligned with platform and business goals.
- Engineered complex networking topologies, Hub-and-Spoke models, and Virtual Machine Scale Sets (VMSS) for global client projects.
- Developed and optimized CI/CD pipelines in Azure DevOps and GitHub Actions, integrating infrastructure deployments to reduce lead times and improve release reliability for multi-region applications and platform services.
- Serve in Valtech's 24/7 on-call rotation, leading incident response and remediation to protect production uptime and SLA commitments across multiple customer environments.

Lisbon, Portugal
Dec 2022 – present
3 years 9 months

Axians, Software Engineer

- Developed features for European Funds applications using .NET, C#, and SQL Server for government and public institutions.
- Managed application lifecycle and Azure cloud resources to improve release reliability and delivery coordination in public-sector environments.
- Collaborated on the Funds Grants team to support digital transformation for large-scale public grant applications.

Lisbon, Portugal
Jan 2022 – Nov 2022
11 months

Papersoft, Software Engineer

- Engineered backend services for Waynbo, a software solution for banking and telecommunications delivery in complex markets.
- Maintained and optimized deployment pipelines using Jenkins and Azure to accelerate onboarding of new client projects.
- Managed data persistence and migration across SQL Server and MongoDB to improve data continuity during rollouts.

Lisbon, Portugal
Jan 2021 – Jan 2022
1 year 1 month

Wide Open West, Software Engineer

- Automated internal processes for cable, high-speed data, and voice installation services for the 6th largest US cable operator.
- Built and maintained AWS-based pipelines and backend services using Node.js and Jenkins.
- Contributed to architectural discussions and designed system diagrams to improve automation efficiency.

Denver, CO
Nov 2019 – Jan 2021
1 year 3 months

InnoWave, Developer (Lead Backend)

- Acted as Lead Backend Developer for "InnGage", an internal gamification product.
- Developed full-stack solutions utilizing .NET Core, SQL Server, and mobile (Android) frameworks.

Lisbon, Portugal
Sept 2018 – Jan 2021
2 years 5 months

Mater Dynamics, R&D Engineer (Master's Thesis Placement)

- Developed battery-free sensors with wireless capabilities for soft and biocompatible monitoring.
- Focused on electronics, RFID, and flexible electronics for passive sensing systems.

Coimbra, Portugal
Sept 2017 – Sept 2018
1 year 1 month

Education

MSc **Universidade de Coimbra**, Integrated Master's in Physics Engineering

- Thesis/Research focus on R&D for wireless sensors and optoelectronics.

Sept 2013 – Sept 2018

Community Leadership

Azure & AI User Group Portugal, Organizer

- Co-organize community meetups and knowledge-sharing sessions focused on Azure, AI, and cloud-native practices.
- Coordinate event planning, speaker alignment, and session topics with community and partner stakeholders.
- Promote practical learning through talks and discussions on platform engineering, DevOps, and responsible AI adoption.
- Support community growth by encouraging peer networking and experience sharing across different seniority levels.

Portugal
Sept 2024 – present

Certifications

Microsoft Certified: DevOps Engineer Expert**Microsoft Certified: Azure Administrator Associate****Microsoft Certified: Azure Fundamentals**

Skills

Cloud & Infrastructure: Azure (AKS, ACA, Networking), AWS, Cloudflare, Terraform, Bicep, Kubernetes

DevOps & Tools: Azure DevOps, GitHub Actions, Jenkins, Docker, GitOps Workflows, Jira, Kanban, Scrum

Operations: Incident Response, On-Call Support, Production Troubleshooting, Reliability Engineering

Programming: .NET Core, C#, Python, Node.js, SQL Server, MongoDB, Java, Kotlin, JavaScript, C++

Languages: Portuguese (Native), English (Professional Working), French (Elementary), Spanish (Elementary)

Training

- 2024 - Certified Kubernetes Administrator (CKA) Preparation Course (Udemy)
- 2023 - AZ-900 Preparation Course (Udemy)
- 2023 - Terraform on Azure (Udemy)
- 2020 - Introduction to Docker Containers (InnoWave)
- 2019 - Introduction to Machine Learning with Python (InnoWave)
- 2019 - ASP.NET, C#, .NET Core, and Transact-SQL (InnoWave)

Publications

Battery-free sensors with wireless capabilities for soft and biocompatible monitoring

Sept 2018

Bruno da Silva de Oliveira

hdl.handle.net/10316/86171 (Master's Thesis, University of Coimbra)