

# Abel Pinheiro de Figueiredo

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Software developer with 6+ years of experience specializing in backend development, particularly in building scalable APIs, cloud computing and automation of complex business processes. Experienced in working on high-impact healthcare systems and collaborating with international teams. Passionate about coding, robotics and AWS cloud solutions.

## Employment History

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- **Software Developer** **Philips**  
*Remote* *Sept 2022–Present*
  - Developed and maintained **IntelliSpace Critical Care and Anesthesia (ICCA)**, a Patient Data Management System used in hospitals across Europe, USA, and China that is designed to enhance patient care by centralizing clinical data and streamlining decision-making workflows.
  - Reviewed security reports from Black Duck and HP Fortify, mitigating vulnerabilities and ensuring compliance with healthcare security standards. Addressed 7–8 critical security issues across multiple system modules.
  - Optimized database queries, reducing execution time and improving real-time data retrieval for healthcare professionals.
  - Collaborated with international teams (India, USA, Europe) to deploy new clinical features.**Keywords:** C#, .NET Framework 4.8, MS SQL Server, WPF, Windows Forms
  
- **.NET Developer** **Dell Lead**  
*Remote* *May 2021–Sept 2022*
  - Developed APIs for a modernized version of the legacy **Spare Parts Master Database (SPMD)** and **GSCV**, redesigning and improving business rules using Clean Architecture and Domain-Driven Design.
  - Acted as backend team lead, coordinating tasks and aligning new feature development.
  - Participated in client meetings to gather requirements and define API integrations for new functionalities.**Keywords:** C#, .NET 6, Oracle, MS SQL Server, Entity Framework Core 6, xUnit, Mock, Clean Architecture, SOLID.
  
- **Backend Developer** **GREAt**  
*Remote* *July 2020–April 2021*
  - Developed a middleware to integrate with **Camunda's BPMN API**, automating government processes such as ID issuance, reducing bureaucratic overhead and processing time.
  - Designed and implemented web scraping scripts to collect **options market data from B3**, enabling data analysis and financial insights.**Keywords:** Java, Spring Boot, JPA, Swagger, Python, Pandas, Selenium.

- **Android Developer** **Secretaria de Segurança Pública e Defesa Social**  
*Fortaleza, CE* *May 2018–Feb 2020*
  - Developed **190**, a mobile application that integrated with SSPDS systems, replacing phone-based emergency reporting with a digital solution.
  - Implemented **OAuth 2.0 authentication** and built an interactive city map feature that allowed users to pinpoint crime locations, automatically dispatching police to the scene.
  - Led the development of the application from scratch, working in a small two-person team responsible for maintaining all mobile projects.**Keywords:** Android, Retrofit, Google Maps API, Oauth 2.0.

## Education

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### Academic Qualifications.....

- **Engenharia de Computação** **Fortaleza**  
*Universidade Federal do Ceará, bacharelado* *2017–2021*

### Certifications.....

- **AWS Certified Developer – Associate (DVA-C02)** **Rio de Janeiro**  
*Amazon Web Services (AWS)* *2024–2027*  
Certified for proficiency in developing and maintaining applications on the AWS platform.
- **TOEFL ITP – Score: 607**  
*Educational Testing Service (ETS),* *2024*  
Demonstrated advanced proficiency in English grammar, reading, and listening comprehension.

## Technical and Personal Skills

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- **Languages & Frameworks:** C#, Java, Python, .NET Framework 4.8, .NET 6+, Spring Boot.
- **Architecture & Best Practices:** Clean Architecture, Microservices, CQRS, N-layer, Clean Code, SOLID.
- **Databases:** Microsoft SQL Server, Oracle, MongoDB, Redis.
- **ORMs:** Entity Framework, JPA.
- **Cloud & DevOps:** AWS (DynamoDB, S3, SAM, API Gateway, CloudFormation, CDK, Lambda), Docker, Kubernetes, Azure Pipelines.
- **Observability:** Prometheus, Grafana, Jaeger, ELK Stack, Serilog, Health Checks, OpenTelemetry.
- **Testing & CI/CD:** xUnit, Mock, Fluent Assertions, Selenium.
- **Soft Skills:** Advanced English Level. Strong problem-solving skills. Excellent teamwork and technical writing abilities. Experience working in multicultural teams.