

Pedro Arnedo

Senior Software Engineer

47 standish rd. Unit 1
02151, Revere, MA
📞 (+1) 617.380.8837
✉️ parnedo@gmail.com



Summary

Seasoned Software Engineer with 12+ years of experience architecting and delivering scalable solutions. Specialized in cloud-native applications, distributed systems, and enterprise software development. Proven track record in building engineering teams, leading technical initiatives, and mentoring developers.

Professional Experience

- 2020–Present **Senior Software Engineer, Scuba Analytics, Boston, MA**
- Pioneered engineering efforts as the first engineer, successfully reverse-engineering and documenting existing codebase to enable team scaling
 - Led technical hiring initiatives, growing engineering team from 1 to 18 members while maintaining high technical standards and team culture
 - Architected and implemented comprehensive alerting system, enabling proactive monitoring of customer-defined metrics
 - Spearheaded complete API redesign, improving system maintainability and reducing client integration time by 40%
 - Enhanced data ingestion system by implementing BigQuery integration, expanding platform capabilities and increasing data source options for customers
 - Created extensive technical documentation, facilitating knowledge transfer and reducing onboarding time for new team members
- 2018–2020 **Senior Solution Architect, Localytics, Boston, MA**
- Architected and implemented cloud-native data processing pipeline handling 100K+ daily file uploads using AWS Lambda, ECS Fargate, and Snowflake
 - Led development of basket analysis system using a-priori algorithm, increasing customer recommendations accuracy by 35%
 - Designed and built enterprise integration system synchronizing data between Jira and Salesforce, reducing manual work by 80%
 - Implemented throttling system for API calls, reducing infrastructure costs by 40% while maintaining SLAs
- 2015–2018 **Senior Software Developer, Amadeus North America, Boston, MA**
- Led development of Rate Management System for IHG, handling millions of daily rate calculations
 - Created performance monitoring system using ELK stack, improving system reliability by 25%
 - Mentored 20+ junior developers and conducted technical interviews for senior positions
 - Developed database visualization tool reducing debugging time by 50%
- 2010–2015 **Software Developer, Amadeus S.A.S, Nice, France**
- Spearheaded Unified Search consolidation project, improving response times by 40%
 - Implemented versioning system supporting 30+ service combinations
 - Led security audit and optimization of core middleware components

Technical Skills

- Languages C++14/17 (STL, Boost), Python, JavaScript
- Cloud & DevOps AWS (Lambda, ECS, API Gateway), Terraform, Docker, Kubernetes
- Databases Snowflake, Oracle, MySQL, BigQuery
- Frameworks Flask, Vue.js, Bootstrap, D3.js

Methodologies Scrum (Certified), Kanban, Agile Development

Education

- 2009–2010 **Master in Security, Cryptology and Coding of Information Systems**, *ENSIMAG*, Grenoble, France
- 2008–2010 **Double Degree, Information Systems Engineering**, *ENSIMAG*, Grenoble, France
- 2001–2008 **Computer Engineering**, *Universidad Politécnica de Madrid*, Madrid, Spain

Certifications

- 2017 Management Development for New Managers - Amadeus
- 2015 MongoDB Certification
- 2014 Certified Scrum Master
- 2013 Oracle Performance Optimization

Languages

- Spanish Native
- French Bilingual
- English Fluent