Tiago Fernandez

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👨‍💼 Effective tech leader with customer focus and tenacity to deliver high quality results.
👨‍💻 Passionate full-stack engineer with 20+ years of experience in software development.
👷 Hands-on architect with deep technical knowledge and design patterns expertise.
👨‍🎨 Talented developer with remarkable design aptitude and special attention to details.
🧑‍💻 Pragmatic programmer with strong analytical thinking and problem-solving skills.

Extraverted 40%		60% Intraverted
Intuitive 39%		61% Observant
Thinking 61%		39% Feeling
Judging 74%		26% Prospecting
Assertive 81%		19% Turbulent

Staff Engineer – VMware Inc. Madrid, ES 7/2021 – Present

- Developing enterprise cloud-native solutions under the Tanzu portfolio to empower customers to build, run, and manage containerized applications.
- Providing organizations with a scalable API discovery and access management product, including standards like OpenAPI and OpenID Connect.
- Leading the migration of API portal's web application from Angular to React, in order to align with other business units' technology stacks.
- Working on automating the registration of API specs defined in a workload configuration to make those accessible in Tanzu Application Platform.
- Making key contributions to Spring Cloud Gateway for Kubernetes, such as predicates and filters, schema referencing, and HMAC support.

Kubernetes · Docker · Go · Kotlin · Java · Spring · React · TypeScript · Concourse · Backstage · Tanzu · GCP · AWS · Azure

Technical Lead – Dotdash Inc. New York, US 5/2018 – 7/2021 • 3 years 3 months

- Managed engineering teams in Spain and Eastern Europe, while coordinating with stakeholders in the US to boost the publishing organization.
- Led the development of an analytical dashboard, which provided 400+ users actionable insights and exploratory data about the company's brands.
- Built an end-to-end query builder framework for advanced search engines, used by analysts to create complex filters with a fluent interface.
- Designed reusable components and archetypes for full-stack applications, to empower developers and promote modern codebases.
- Played a key role implementing cross-app features, while mentoring less-experienced peers to foster productivity and groom talent.

Python · JavaScript · Django · Celery · React · Vue · Cypress · AWS · Docker · Keycloak · PostgreSQL · Memcached · Redis · Jenkins · Sentry

Data Visualization Engineer – Telefonica S.A. Madrid, ES 1/2017 – 5/2018 • 1 year 5 months

- Spearheaded the development of a suite of analytical products, delivering market insights and relevant information in relation to competitors.
- Built a tool to improve decision-making on best rates, used by sales teams in 14+ countries to reduce the churn rate and increase loyalty.
- Implemented workflows and complex data visualizations, to guide product teams into enriching customer data and boosting local businesses.

Python · JavaScript · Django · React · GraphQL · D3 · Celery · Docker · Ansible · MySQL · Elasticsearch · Spark · Hive

IT Mentor – European Innovation Academy S.A. Lisbon, PT 7/2016 – 7/2017 • 1 year 1 month

- Provided advice and guidance to multi-disciplinary teams, offering an experiential learning opportunity with deep insight into the startup life.
- Coached students to consider and weigh potential consequences of decisions and actions, so that they avoid pitfalls and predictable surprises.
- Encouraged mentees to move out of their comfort zones and take risks when appropriate, in order to move forward and innovate.

Objective-C · iOS · Java · Android · Ruby · Rails · Python · Django · JavaScript · Node.js · Groovy · Grails · Scala · Play

Research Engineer – Amadeus IT Group S.A. Nice, FR 7/2013 – 12/2016 • 3 years 6 months

- Led the development of a meta-search-based travel website, empowering users to find the best flights and plan their trips collaboratively.
- Created a Rails-backed iOS application for managing travel expenses, featuring the capture of receipts with OCR technology and e-mail reports.
- Played a major role in a virtual interlining project, allowing travelers to connect flights from competitor airlines onto a single itinerary.

Python · Django · Ruby · Rails · Objective-C · iOS · JavaScript · Backbone · Marionette · Docker · MongoDB · Ansible · Logstash

Software Architect – Amadeus IT Group S.A. Nice, FR 5/2008 – 6/2013 • 5 years 2 months

- Designed Java middleware architecture and developed reusable components on large-scale systems running 50+ million bookings per month.
- Researched JVM-based languages and created a sandboxed scripting engine, enabling 3rd-party customization to products via a cloud platform.
- Supervised development teams throughout a division with 300+ engineers, while providing technical guidance and advocating best practices.

Java · Groovy · Spring · Hibernate · JRuby · Jython · GWT · Play · JiBX · Gradle · Maven · Ant · WebLogic · SQL Server

Software Engineer – HP Inc. Nice, FR 1/2007 – 4/2008 • 1 year 4 months

- Designed and developed a vast variety of tools, having as main objective to facilitate the global data center consolidation process.
- Reverse engineered a legacy application written in ASP.NET and rebuilt it to leverage a rules engine for classifying documents.

Java · Drools · Spring · Hibernate · Tomcat · Tamino XML Server

Web Developer – Audatex GmbH Zurich, CH 10/2005 – 12/2006 • 1 year 3 months

- Developed claim solutions to facilitate the communication between insurances, body-repair shops, and assessors in 40+ countries.
- Supported a module for placement of wrecks in an electronic auction, open to qualified professional buyers.

Java · Struts · EJB · JBoss · OC4J · Oracle9i

Software Developer – Atech S/A São Paulo, BR 9/2003 – 9/2005 • 2 years 1 month

- Developed a client-server application for managing flight operations, featuring a tracking module for storing real-time data.
- Built components to display aeronautical routes and weather satellite graphics on an interactive world map.

Java · Swing · OpenMap · Spring · Hibernate · JBoss

M.S. Software Engineering – State University of Campinas Brazil, 2005

B.S. Computer Science – Pontifical Catholic University of São Paulo Brazil, 2003