Tiago Fernandez
Lead Software Engineer

tiago.fernandez@gmail.com
https://tiagofernandez.com

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👨‍✈️ Effective tech leader with focus on delivering projects with high quality in time.
👷 Passionate full-stack engineer with 17+ 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.

Lead SEO Applications Engineer – Dotdash Inc. New York, US — 5/18 – Present

Leading engineering teams in Spain and Eastern Europe, while coordinating with stakeholders in the US to boost the growth organization. Spearheading development of a workflow management system, which enables 1000+ users to streamline and automate repeatable tasks. Architected an analytics dashboard, which provides 200+ staff users actionable insights and exploratory data about the company's brands. Designed an archetype for bootstrapping full-stack applications, in order to empower developers and promote modern codebases. Created a query builder framework for advanced search engines, used by analysts to create complex filters with a fluent interface. Built a dynamic report generation subsystem, used by general managers to share dashboards that track progress toward goals. Designed an end-to-end test automation workflow that significantly reduced regressions and sped up releasing. Accelerating the collaboration with designers to define consistent and intuitive user interfaces. Playing a key role developing crucial features and reusable components, focusing on fast-tracking apps development. Mentoring and supporting team members to foster high productivity and groom talent. Technologies: Python, JavaScript, TypeScript, Django, React, Vue, Material Design, Cypress, Celery, Docker, PostgreSQL, Memcached, Redis, Sentry, AWS.

Data Visualization Engineer – Telefonica S.A. Madrid, ES — 1/17 – 5/18

Led 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. Technologies: Python, JavaScript, Django, React, GraphQL, D3, Celery, Docker, Ansible, MySQL, Elasticsearch, Spark, Hive.

IT Mentor – European Innovation Academy S.A. Lisbon, PT — 7/16 – 7/17

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. Technologies: 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 — 7/13 – 12/16

Spearheaded 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 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.

Technologies: Python, Django, Ruby, Rails, Objective-C, iOS, JavaScript, Backbone, Marionette, Docker, MongoDB, Ansible, Logstash.

Software Architect – Amadeus IT Group S.A. Nice, FR   5/8 – 6/13

Designed and implemented Java middleware components and frameworks on large-scale systems running 50+ million of bookings per month. Researched JVM-based languages and developed a sandboxed scripting engine, enabling 3rd-party customization to products via a SaaS platform. Evaluated new trends and provided technical advice and coaching to several development teams, throughout a division with 300+ engineers. Technologies: Java, Groovy, Spring, Hibernate, JRuby, Jython, GWT, Play, JiBX, Gradle, Maven, Ant, WebLogic, SQL Server.

Software Engineer – HP Inc. Nice, FR   1/7 – 4/8

Led the development of 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. Technologies: Java, Drools, Spring, Hibernate, Tomcat, Tamino XML Server.

Web Developer – Audatex GmbH Zurich, CH   10/5 – 12/6

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. Technologies: Java, Struts, EJB, JBoss, OC4J, Oracle9i.

Application Developer – Atech S/A São Paulo, BR   9/3 – 9/5

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. Technologies: Java, Swing, OpenMap, Spring, Hibernate, JBoss.

M.S. Software Engineering – State University of Campinas   Brazil, 2004

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