

Bruno Rodríguez

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Experience

Breezy

Founding Software Engineer | TypeScript · React Native · NestJS

San Francisco, USA

04/2025 - Present

- Designed and implemented **full-stack platform architecture** and backend services as the foundation for cross-team product development
- Led technical integration: unified cross-system data and platforms into a single extensible product
- Scoped and shipped full-stack features with product and design; balanced scalability and long-term technical strategy
- Built **data extraction and tooling pipeline** (AI-driven) for diverse, large-scale inputs; enabled compliance coverage by integrating multiple data sources and constraints

Fintual (YC S18, Sequoia Capital)

Worldwide

Full-Stack Engineer — Recurrence & Onboarding Team | TypeScript · React Native · Ruby on Rails ·

04/2024 - 04/2025

GraphQL

- Built full-stack architecture with **strongly-typed APIs** and clear contracts; collaborated with product teams to **reduce bug reports by 10%**
- Developed **automated data pipeline** for verification at scale; reduced manual work by **80%** with compliance team
- Built **analytics and A/B testing framework** with user dashboards; drove **6% higher conversion** on 150k-user app

Millennium Institute for Foundational Research on Data

Santiago, Chile

ML Infrastructure Research | Scala · Apache Spark & MLlib · Docker · Python

03/2023 - 03/2024

- Built **distributed ML pipeline** (Spark) processing ~1B records across multimodal datasets; deployed in distributed environments
- Developed scalable algorithms with **21% higher precision**; containerized and productionized for reliability at scale
- Built **data visualization tools and monitoring dashboards** for experiment tracking; reduced model evaluation time by **30%**

PSINet - R&D

Santiago, Chile

Full-Stack Engineer & Team Lead | React · Django · PostgreSQL · Docker

07/2022 - 08/2023

- Built **full-stack data pipeline** from devices to web platform; **reduced sync time from 10 to 1 minute** per patient
- Developed **ML-powered analysis tools with React dashboards**, processing **40K+ records/month** with 53% faster review; made complex data accessible to domain experts
- Led cross-functional team of 8; collaborated with researchers and designers to ship **reliable, production-quality** internal tooling

Premialab

Paris, France

ML Engineer Intern | Python · PyTorch · FastAPI · scikit-learn

07/2021 - 12/2021

- Built end-to-end **ML pipeline** with FastAPI backend processing **50K+ documents**; integrated embeddings for analysis at scale
- Developed production ML models (PyTorch); built **monitoring dashboards** for performance across 10+ indicators

University of Chile

Santiago, Chile

Teaching Assistant

09/2018 - 12/2022

- Design and Programming Methodologies · Algorithms and Data Structures · Newtonian Physics
- Led classes of 100+ students; **95% positive feedback**; strong collaboration and communication with diverse groups

Skills

Programming Advanced (4+ years): TypeScript, Python · Proficient (1+ years): Scala, Ruby, C++, Elixir

Technologies Full-stack: React (Native), NestJS, Django, Rails, GraphQL · Backend & scale: PostgreSQL, MongoDB, Apache Spark · Data visualization & tooling: experiment tracking, monitoring; PyTorch, MLlib · DevOps: Docker, Kubernetes, AWS, GCP

Languages Spanish native, French and English fluency (C1)

Education

University of Chile

Santiago, Chile

BS + MEng in Computer Science - GPA: 3.94 / 4.0 - Rank: [10 / 116](#) - Summa Cum Laude

03/2017 - 12/2019 + 07/2022 - 12/2023

Software Engineering, Databases, Networks, Operating Systems, Discrete Mathematics

École CentraleSupélec - Paris Saclay University

Paris, France

MSc in General Engineering | Computer Science Track

03/2020 - 06/2021

Distributed Computing, Machine Learning, Advanced Statistics, Optimization

Honors & Awards

2015–2016

National Olympiads: Math: Silver, Bronze. Math Teams: [Gold](#), Gold. Physics: [Silver medal](#)

Santiago, Chile

2016

Academic Excellence: Top 1% nationally in university admission test, highest math score regionally

Vallenar, Chile