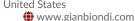
GIANFRANCO BIONDI JR.

10+ Years of Engineering Excellence and Leadership



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Newark, NJ, United States of the property of





RELEVANT EXPERIENCE

Co-Founder & CTO

Swap Health

Sep. 2021 - Sep. 2023

Jersey City, NJ

- Designed and built Google Chrome Extension to help users grocery shop online
- Managed team of four contractors to build a mobile application
- Built product crawlers for grocery
- Built core technology API to identify and recommend grocery products
- Collaborated in building business plan and pitch deck
- Instrumental in fundraising effort, from angel investors to established venture capital firms (25M Health)

Staff Software Engineer & Technical Lead

Walmart Labs/Jet.com

Apr. 2018 - Sep. 2021

- Hoboken, NJ
- Work on internal experimentation (A/B Testing) platform (Expo)
- Led effort to convert system from Lua-based edge workers to micro-service platform to work with Envoy Proxy
- Led research for next-gen experimentation engine using WASM and Istio service mesh for all of Walmart
- Designed and Implemented GitOps System for Experiment Self-Service
- Led design and implementation for global distributed trace header for all of Walmart E-Commerce
- Led effort in converting Lua & C system to full micro-service platform with Envoy Proxy via custom HTTP Filter

Network Security Software Engineer

DoubleVerify

Mar. 2016 - Apr. 2018

New York, NY

- Led a small R&D team for Publisher Platform
- Researched protocol-level and browser-level, advanced ad measurement and delivery techniques
- Implemented prototype on-the-fly JavaScript static analyzer
- Helped build next-gen data pipeline for real-time impression measurement, real-time bidding, and social integration
- Optimized large SQL used in Vertica Data Warehouse

MOST PROUD OF



Built a Start-up Jersey City, 2021



Dean's List

Rochester Institute of Technology, 2006-2010



ASEE SMART Scholarship

Dept. of Defense, 2008-2012

STRENGTHS



EDUCATION

B.Sc. Computer Engineering Rochester Institute of Technology

📋 September 2006 – August 2012

M.Sc. Computer Science Georgia Institute of Technology

Expected Graduation December 2024

PUBLICATIONS

Conference Proceedings

T. Grandahl, G. Biondi, and C. Hochgraf, "An open hardware, open source electronic load bank and data acquisition system for expanding the number of schools and students researching battery energy storage," in 2011 ASEE Annual Conference & Exposition, https://strategy.asee.org/17478, Vancouver, BC: ASEE Conferences, Jun. 2011.

Blog Posts

- G. Biondi, *Interfaces in go*, [Online; posted 11-March-2016], Mar. 2016. [Online]. Available: https://medium.com/@gianbiondi/interfaces-in-go-59c3dc9c2d98.
- G. Biondi, *Choosing grpc*, [Online; posted 6-August-2015], Aug. 2015. [Online]. Available: https://medium.com/namely-labs/choosing-grpc-5089154e1ad1.
- G. Biondi, *Syncing cache with postgres*, [Online; posted 8-September-2015], Sep. 2015. [Online]. Available: https://medium.com/namely-labs/syncing-cache-with-postgres-7a4d78cec022.