

GIANFRANCO BIONDI JR.

10+ Years of Engineering Excellence and Leadership

@ me@gianbiondi.com 862-231-5009 Newark, NJ, United States
linkedin.com/in/gianfranco-biondi github.com/gxb5443 www.gianbiondi.com



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

Executive Presence Hard-working
Detail Oriented Leader & Motivator
Effective Communicator & Collaborator
Fast Learner Team Player Mentoring

Golang C/C++ Java Linux SQL
Python Scala F# Javascript
Typescript React Kafka Docker
Kubernetes MongoDB Lua Vim
OSS Envoy Proxy Istio nginx
gRPC Protobuf GraphQL
Web Assembly Distributed Systems
Raspberry Pi/Arduino Statistical Analysis
Circuit Analysis Autodesk Fusion 360
3D Printing Circuit Fabrication
Embedded Systems LaTeX

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>.