

GIANFRANCO BIONDI JR.

10+ Years of Engineering Excellence and Leadership

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MOST RELEVANT EXPERIENCE

Principal Engineer

Walmart Global Tech

Mar. 2024 – Present Hoboken, NJ

- Designed core components of national Test and Treat
- Technical lead for nation-wide store technology modernization, converting hundreds of legacy C programs to Go with modern architectures
- Elevated engineering quality through templates, workshops, git best-practices, design/PR reviews, etc.
- Championed first-party Golang support within Walmart through documentation, workshops, and adding support in CI/CD Platform

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 engineers to reimagine extension as react-native mobile application and deploy to app stores
- Built crawlers and PostgreSQL database for grocery products
- Built core technology and API to identify and recommend grocery products
- Ensured HIPAA Compliance
- Collaborated in building business plan, product roadmap, 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)
- Powered effort in converting Lua system to full micro-service platform with Envoy Proxy via custom HTTP Filter
- Led research for next-gen experimentation engine using WASM and Istio service mesh for all of Walmart
- Drove design for implementation of Experimentation data in OpenTelemetry headers for all of Walmart E-Commerce
- Managed design and implementation of GitOps System for Experiment Self-Service

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

August 2012

M.Sc. Computer Science

Georgia Institute of Technology

Expected December 2024

PUBLICATIONS
