Matthew J. Galvin

Elixir, Erlang | Master of Science – Computer Science Graduate Student

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INVENTIONS

5,000+ units sold

Nerves powered, security focused device for intelligent control of power in data centers. Comms via SNMP, Modbus TCP, IPMI, ZMQ, I²C, GPIO.

EXPERIENCE

Erlang Solutions Ltd, Remote   *Senior Software Engineer*

AUGUST 2022 - PRESENT

Elixir, Distributed Erlang, Hot Upgrades, RabbitMQ, Kafka, Microservices Architecture (GoLang, Rust, Elixir), Avro

Cato Digital, Remote   *Senior Software Engineer*

MARCH 2021 - AUGUST 2022

Elixir, Erlang, Nerves, GRiSP, AWS, Docker, K8s, GraphQL, Protobuf

RevZilla, Remote   *Software Engineer*

FEBRUARY 2020 - MARCH 2021

Elixir, Phoenix, Ruby, Rails, PostgreSQL, GCP, Docker, MiniTest, ExUnit

DockYard Inc, Remote   *Software Engineer*

MARCH 2018 - FEBRUARY 2020

Elixir, Phoenix, Ruby, Rails, PostgreSQL, Ember, RSpec, QUnit, ExUnit

End Point Corp, Remote & NYC   *Software Engineer*

MAY 2013 - MARCH 2018

Ruby, Rails, Elixir, PostgreSQL, React, VueJs, Angular, RSpec, Arduino

Lau Trading Group LLC, NYC   *Electronic Trader*

OCTOBER 2011 - JUNE 2012

Traded/programmed on Orc, Wintech and other trading platforms

Prime International Trading, NYC   *Floor Trader*

JANUARY 2008 - OCTOBER 2011

Traded gold and silver options/futures, specialized in volatility arbitrage

SELECTED OPEN SOURCE

Elixir-Lang
PR1560
Commit SHA 729ba

Nerves
PR222
Commit SHA 91f5e

Elixir-SNMP
PR 21
Commit SHA 33579

FWUP
PR 186
Commit SHA 9e2d9

Jellyfish
Author

ST7735 Elixir
Author

Harvard University's Corpus Builder Ruby Client Gem
Author

9front
PR in mailing list, fixes RPi GPIO

EDUCATION

Drexel University, Phila, PA.
Master of Computer Science
Expected graduation 2025
Current GPA 4.0

Temple University, Phila, PA.
Finance & Real Estate, Double
Summa cum laude, GPA 3.9

SELECTED PRESENTATIONS

Cryptanalysis: Attacks on RSA
YouTube [here](#)

IoT: SNMP w/ Elixir, Erlang
Erlang Solutions Blog [here](#)