

# Doug Chimento

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## SUMMARY

Software engineer who enjoys tinkering and building, especially in the crypto space. My moto: Automate all the things.  
Laziness is a virtue

## EXPERIENCE

### Senior Software Engineer Fireblocks Inc.

Jan 2023 – present

Web3/Defi integrations for non-custodian wallet infrastructure

- Design/Ship native Solana program calls integration into Fireblocks [SDK](#)
- Decode Solana program calls for security scanning and policy blocking
- Managed wallet adaptor for [WalletConnect](#)/Reown
- EVM [EIP-712](#) typed data parsing/decoding for security scanning and policy blocking

### Senior Platform Software Engineer, AppsFlyer Inc.

Jan 2020 – Oct 2022

Automate AWS infrastructure via SDK for company-wide deployments.

- Developer and infrastructure engineer for a staging/regression test environment. Hundreds of daily automated application deployments are used for automated testing. (GO, Python, [Mesos](#), [Consul](#))
- Develop custom [terraform](#) providers/modules to facilitate resource management
- Develop [CoreDNS](#) plugin for dynamic DNS lookups

### Infrastructure Software Engineer, Outbrain Inc.

Oct 2016 – Dec 2019

Developer and maintainer of company-wide JAVA RPC [framework](#), metrics, and tracing.

- Design and implement JAVA library for distributed tracing with OpenTracing/[Jaeger](#)
- AWS infrastructure/backend engineer
- Migrate application from AWS to self-hosted kubernetes cluster
- Maintain Spring JAVA web system with [Cassandra](#) for tracking millions of clicks and impressions

### Senior Software Engineer, Yodle (web.com)

Oct 2013 – Oct 2016

Developed and maintained a real-time processing engine.

- Migrated ETL from SQL to Java/Spring framework
- Reduced load on database by moving slow SQL queries to AWS's Elastic MapReduce framework
- Wrote a custom Gradle plugin to show code coverage for testing

### Software Engineer, Lime Brokerage LLC

Jun 2009 – Jan 2013

Real-time reporting engineer for a high frequency trading platform.

- Constructed a data warehouse growing at ~5 billion orders per week
- Custom C++ application to parse binary data with regex support
- Developed Java API to store and access ~500,000 files across multiple machines

## PROJECTS

- Bitcoin Core [Contributor](#)
- Helius [Contributor](#)
- [logzio-go](#) library for [logz.io](#)
- Arch Linux AUR [packages](#)

## SKILLS

- AWS, Infrastructure as code, GO, Python, JAVA, CPP, SQL, All Things Linux
- [ESP8266](#) hackery (IoT firmware tinkering)

## EDUCATION

St. Lawrence University, B.S. Mathematics

1996 – 2000

## EXPERIENCE (CONTINUED)

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### Senior Software Engineer, TryPlay Inc

Jan 2013 – Oct 2013

Back-end engineer maintaining a 24/7 music streaming site.

- Amazon AWS cloud engineer (VPC, EC2, RDS, Cloudfront, S3)
- Integrate 3rd-party REST APIs into TriPlay's web application (concerts, weather, artist biography, pricing of music)
- Wrote custom Java debugger using Java Platform Debugger Architecture (JPDA) API

### Dispute Consultant & Data Analyst, Deloitte

May 2007 – Jun 2009

Financial fraud and dispute investigator responding to court order deadlines.

- Based in Munich, Germany for 18 weeks for an international bribery case
- Developed MAPI toolkit to automate data parsing of Outlook PST files
- Designed and developed rules framework to detect money laundering

### Technical Investigator, Fidelity Investments

May 2000 – May 2007

Detecting fraud and internal/external threats

- Built a fraud detection system with a custom plug-in rules framework
- Discovered unauthorized access to ~300 brokerage accounts with ~2 million in total assets