

Harsha Goli

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EXPERIENCE

Fold — Payments Engineer

2018 - 2020

- Built python/django payments infrastructure from the ground up - to date processed 2 million+ dollars
- Planned, constructed public REST APIs with django/flask using SQL for Postgres
- Grew and scaled product from dozens of unique visitors to over 1 million during holidays

Bitcraft — Cofounder, Founding Engineer

2017 - 2018

- Founded crypto-focused consulting group as CEO
- Wore many hats: client acquisition, solutions architect, scrum master, code heavy hitter
- Recruited, staffed over a dozen engineers through my network to fit needs and roles of clients
- Architected backend API solutions in python/django and node/express
- Scaled blockchain explorer sites with angular/node, shipped exchange arbitrage bots with python
- Understood client expectations and requirements and communicated to team

BitPay — Software Developer

Summer 2017

- Assembled a pi cluster of 12 raspberry pi's to CPU mine and control usb miners
- Built a functional testnet private/public key derivation manager using bitcore in node.js
- Reviewed and tested critical merge requests for internal tool and customer facing applications

GE Digital — Software Developer

2016 - 2017

- Developed Microsoft Hololens app w/ Unity/C# to traverse 3D models of power plants
- Modified DJI Matrice to create 3D Models using the ZED sensor powered by a Jetson TK1
- Developed virtual environments for HTC Vive using python scripting and Vizard

LARGE SCALE PROJECTS

ssss — Demonstration of htlc usage cross-chain

Simple Submarine Swap Server. Implementation of cryptographic submarine swaps

Int — CLI tool for interfacing with LND nodes

A bash compliant python command line interface to replace the hostile grpc/http interface

riemann-keys — Pypa library

bip32 implementation in python using libsecp256k1 for signing, verification, and derivation

hail — Hierarchically deterministic key management wallet for iOS/Android

Fully featured with syncing, written in react-native and support for many cryptocurrencies

LANGUAGES

Python, Javascript, BASH, SQL, Swift, Objective-C, Java, C

Familiar: Go, Kotlin, Rust, Ruby, Solidity

TECHNOLOGIES

Django, Kubernetes, Docker, Docker-compose, Bitcoin, Bitcoin Script, Ethereum, iOS, Node.js, Monero, Rails, React, React-Native, Pandas, Express, Flask, Git, GitHub, GitLab, Linux, Arch, Ubuntu, gRPC, http, json, Celery

LEADERSHIP

PantherHackers - Hackathon Club

- Grew from 6 to 600 members
- Raised \$40,000 over 2 years
- Fundraised for the GSU Makerspace
- Taught iOS development weekly for 2 years

HackGSU - Bi-annual Hackathon

- Directed operations on the day of
- Conducted Interviews for teams
- Led 3 development teams
- Built and designed web, native-mobile experiences

Imagine That! - Afterschool programming

- Taught Java to middle schoolers!

Boy Scouts of America

- Eagle Scout, Troop 1, Jackson MS

EDUCATION

Georgia State University, Atlanta GA

BS: Computer Science

Minor: Philosophy