

JOHN WHITTON

Research Engineer / Ecosystem Architect / Founder

@john@johnwhitton.com <https://johnwhitton.com> Mountain View



EXPERIENCE

Founder

johnwhitton.com

07/2018 - Present Mountain View, US

Web3 and DeFi Research and Engineering

- solab.gg: Trustless Bridge Research using Zero Knowledge Proofs including cryptographic primitives, consensus layer and zero knowledge implementations
- hiddenstate.xyz: 1.country implementation inspired by ENS and enhanced to integrate web2 DNS server and SMTP routing
- [modulo](https://modulo.com): 1-wallet and sms-wallet: non-custodial crypto wallet and lightweight crypto sms wallet.
- kanga.finance: Dex implementation inspired by Sushi and proof of concept integration with one-wallet. ([github](https://github.com)). Winner of \$30,000 in prizes from Harmony Hackathon.
- eave.network: Polkadot DeFi Parachain ([github](https://github.com)) inspired by Acala and launched on the Rococo Network.
- emAsset ([github](https://github.com)): designed StableCoin Payment Platform integrating with banking systems
- Defi Research: Uniswap, Polkadot, Curve, Balancer, Coinbase Rosettanet
- Built gRPC API Layer: proto, go, grpc-gateway, openapi, MongoDB
- Mobile App: Flutter, Dart integrating with gRPC Services
- WASDEX: designed a decentralized regulated platform for digital securities
- [Shell protocol](https://Shell Protocol): developed initial prototype of the COWRI protocol, a stable coin, meta layer which leveraged the 0x Protocol and became Shell Protocol.

Harmony Ecosystem Architect

Harmony

08/2019 - 05/2020 Mountain View, US

Layer 1 Blockchain Protocol

- Hired and Mentored over 10 Engineers growing the team from 6 to 20
- Launched Mainnet ONE, Token Swap and Open Staking
- Owned Developer Tooling including API, SDK, HRC and IDEs
- Deployed Network Upgrades including over 50 rollouts of complete Harmony Protocol and Network
- Presented Internationally at Technical Conferences
- Responsible for Partner Success and Developer Advocacy

Chief Technology Officer

Loyal

07/2016 - 06/2018 New York

Loyalty Platform leveraging tokenization of points using blockchain

- Hired and mentored a team of 7 engineers
- Launched LOYAL program management suite on HYPERLEDGER
- Built Dubai Points the first loyalty mobile application built on blockchain
- Deployed and maintained a private ethereum network
- Owned partner success with IBM, Deloitte, Emirates Airlines, CIBC Bank

Founder, Engineering Manager, Architect, Developer

Enterprise Software and Consulting

07/1986 - 06/2016 San Francisco and Australia

Enterprise Software and Integration Platforms

- Managed over 100 initiatives and 50 staff at EFI
- Built EFI Business Integration Services an SOA platform integrating SAP, Salesforce, FLEXERA and external partners including CANON and Fedex
- Founded Global Enterprise Solutions a niche SAP technical consultancy and hired and mentored a team of 5
- Lead Autodesk Subscription Program integration - integrating SAP, TIBCO, SEEBEYOND, registration systems and CRM systems
- Developed Enterprise Software for the Mining Industry

ACHIEVEMENTS



Research Engineer

Author of multiple web3 DeFi white papers.

Researched consensus, bridging, cryptographic primitives and zero knowledge proofs.

Built Layer 1 platforms, DeFi protocols, non-custodial wallets, web3 identity, wallet infrastructure.



Building Great Technical Teams

Grew Harmony from 6 to 20 Engineers, managing 7 engineers at LOYAL and founding my own startup and onboarding a team of 5.



Successful Product Launches

5 blockchain launches and multiple ecosystem releases.

SKILLS

Leadership

Engineering Management Research

Technical Strategy

Ecosystem Design

Product Development Blockchain

solidity Rust go

typescript javascript

backend API dev grpc devops

bash scripting Flutter Dart

React

EDUCATION

Bachelor of Science

The University of Queensland

GPA

5.75 / 7.0

1984 - 1987