JOHN WHITTON

Leader / Research Engineer / Ecosystem Architect / Founder

@ john@johnwhitton.com 🔗 https://johnwhitton.com 📍 Mountain View

EXPERIENCE

Engineering Manager and Senior Protocol Engineer

Eco Inc. 📅 08/2024 - Present 📍 Mountain View

Universal Payments on Dedicated Rollup using Intents and Account Abstraction

- Lead a team of 8 Engineers up until August 2024
- Senior Protocol Engineer April 2024 to present
- L3 Rollup design and implementation of the ECO Chain (docs, code)
- Developing Intent Protocol and cross-chain proving mechanisms
- Manage development of bend.eco - fast cheap stablecoin payments
- Lead the Eco Association - Currency 1.5 upgrade

Founder

johnwhitton.com 📅 07/2018 - 08/2023 📍 Mountain View, US

Web3 and DeFi Research and Engineering

- isolab.gg: Trustless Bridge Research using Zero Knowledge Proofs including cryptographic primitives, consensus layer, and zero knowledge proofs
- hiddenstate.xyz: 1.country implementation inspired by ENS and enhanced to integrate web2 DNS server and SMTP routing
- modulo: 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). Winner of $30,000 in prizes from Harmony Hackathon.
- eave.network: Polkadot DeFi Parachain (github) inspired by Acala and launched on the Rococo Network.
- emΔsset (github):designed StableCoin Payment Platform integrating with banking systems
- Defi Research: Uniswap, Polkadot, Curve, Balancer, Coinbase Rosettanet
- Built gRPC API Layer: proto, golang, grpc-gateway, openapi, MongoDB
- Mobile App: Flutter, Dart integrating with gRPC Services
- 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

Loyyal 📅 07/2016 - 06/2018 📍 New York

Loyalty Platform leveraging tokenization of points using blockchain

- Hired and mentored a team of 7 engineers
- Launched LOYYAL 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

KEY ACHIEVEMENTS

♾️ **Research Engineer**

L3 Rollup Design (ECO on Base)
Intent Protocol Cross Chain Proving
Research into Rollup Protocols, Native Account Abstraction, Cross Chain Proving Mechanisms and Data Availability Layers
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**

Lead team of 8 engineers at eco
Grew harmony from 6 to 20 Engineers,
Managed 7 engineers at LOYYAL
Founded a startup 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 · Rollups · solidity · Rust · golang · typescript · javascript · backend API dev · grpc · devops · bash scripting · Flutter · Dart · React

EDUCATION

Bachelor of Science

The University of Queensland 📅 1984 - 1987

GPA **5.75** / 7.0