

# JOHN WHITTON

Leader / Research Engineer / Ecosystem Architect / Founder

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## EXPERIENCE

### Engineering Manager and Senior Protocol Engineer

**Eco Inc.**    08/2023 - 01/2025    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 January 2025
- 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](https://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.
- [emAsset](#) ([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