Thomas O'Neill

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Polyglot programmer; systems engineer.

Functional, declarative, creative coding;
Unix philosophy; interactive learning.

Experience

Co-Founder & Lead Developer @ Bearjam
Jan 2020 - Present

A JAMstack web development company.

▸ **Fluid UI design and animation** (Framer Motion, React Spring)

▸ **3D web technology** (WebGL, Three.js, react-three-fiber)

▸ Delivered **our first client project** (GatsbyJS for SSR, Twilio SendGrid Email API for form submissions)

▸ Currently building bespoke e-commerce project (Next.js SSG/SSR, Strapi CMS with GraphQL API, Stripe payments)

▸ Automated deployment (CI/CD) and "serverless" API routes (Vercel, Netlify, Google Cloud)

Travel & Self-Directed Learning
Jan 2018 - Dec 2019

During my travels across Nepal and India, I spent some time learning:

▸ Functional Programming in Haskell and JavaScript/TypeScript

▸ Reactive programming (ReactiveX, RxJS, Elm, PureScript)

▸ **Web Audio and DSP fundamentals**

▸ **Cryptography fundamentals**

Prospective Founder @ Free the Data
June 2017 - Dec 2017

This project was developed from idea to business plan with social startup incubator **Social Digital Innovation**. Free the Data was an initiative to develop a suite of open-source software enabling users to cross-channel their data into user-managed, distributed stores.

▸ Prototyped a React Native location-tracking mobile app

▸ Basics in business and entrepreneurship

Systems Engineer & Developer @ Claranet
Nov 2015 - April 2017

Automation development for core network and server configuration management.

▸ Open-source DevOps tooling (e.g. Docker, Kubernetes, Ansible etc.); Python/Golang programming, shell scripting

▸ Proof of concept deployment of OpenStack

▸ **Contributed to OpenStack Kolla**

▸ Developed in-house configuration management tools

  ▸ UI and REST API in Java

  ▸ Automation scripts in Perl

Service Desk Analyst @ SCC
May 2014 - Oct 2015

24×7 service desk in NOC supporting SCC's secure multi-tenant government cloud platform known as Sentinel.

▸ User-facing technical support

▸ NSV SC clearance required

▸ Completed certifications independently, including CCNA