

Thomas O'Neill

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React developer; systems engineer.

Lover of the declarative, functional style;

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

24x7 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

