

# Thomas O'Neill

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Polyglot programmer; systems engineer.

Functional, declarative, creative coding;

Unix philosophy; interactive learning.

## Experience

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### 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

