

ADAM THOMAS HOWARD

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artist / developer

PROFILE

Full-stack developer with 10+ years in web technologies, a background in arts & design, and proven adaptability across multiple languages and frameworks. Experienced in building scalable applications in both corporate and independent contexts, with recent focus on **Rust, PostgreSQL, Docker**, and **cloud deployments**. A quick learner, a problem solver, and a divergent thinker.

EXPERIENCE

SELF-EMPLOYED, **THE DUKE OF NORFOLK** | JUN 2012 - CURRENT

- Negotiating contacts with record labels, distributors, and venues.
- Managing self-hosted infrastructure for website tech needs, including a system for ticket sales (with Stripe integration), Ionic mobile app for scanning tickets, email hosting (with Stalwart), email marketing (with Mailgun integration).
- Design and maintenance of the Admin space for managing events and tickets and API design for integration with mobile app.
- Graphic design for album covers, posters, merchandise, and website.

MAIN TECH: Nuxt ~ PostgreSQL ~ Prisma

CONTRACT DEVELOPER, **SPECTRIO** | 2011 - 2014, 2015 - 2020, 2021 - 2025

- Progressed from design to solutions analyst and department-lead developer over 12 years in a company that scaled from a 3-person creative team to a national provider.
- Built and maintained backend modules for a digital messaging platform deployed to **100,000+ locations**.
- Developed internal tools for automation and scaling of operations.
- Collaborated with the creative team to meet client needs, and mentored newer developers.

MAIN TECH: PHP ~ Typescript ~ Nuxt ~ RollupJS ~ Extendscript

FULL-STACK DEVELOPER, **SIMMONS FOODS** | JUN 2020 - DEC 2021

- Built web and mobile apps for farm communications and data reporting.
- Developed backend services with **Python/Django + PostgreSQL**, deployed on **AWS**.
- Collaborated with product teams in an agile environment to modernize workflows and increase adoption.

MAIN TECH: Python ~ Django ~ PostgreSQL ~ Flutter ~ AWS

PERSONAL

PROJECTS

CANOPIE CLUB | WEB APP / MUSICIAN TOOLKIT

An ongoing project creating tools for musicians to navigate an internet not built for them—offering affordable, simple alternatives for ticketing, newsletters, and websites.

TECH USED: **Rust ~ Docker ~ Nuxt**

PROTEUS | DESKTOP APP / RECORDING CONCEPT

Desktop apps for creation and playback of Proteus Audio files; an experimental audio file format intended for recorded music with a fixed structure but non-static composition.

TECH USED: **Rust ~ Tauri ~ Typescript ~ Vue**

VUE PIANO ROLL | VUE COMPONENT

Open-source DAW-style Piano Roll component for Vue.js to support musical note visualization and composition.

TECH USED: **Vue ~ Vite ~ Typescript ~ SCSS**

EDUCATION

2014 - 2015

THE UNIVERSITY OF EDINBURGH

M.Sc. in Sound Design

Modules included: Interactive Sound Environments, Sonic Structures, Media & Culture, Electroacoustic Composition and Performance.

Dissertation: ***A Voice For Modernisation & Tradition | An Exploration of the Relationship Between Folk Music and Electronics***

2008 - 2012

JOHN BROWN UNIVERSITY

B.S. in Photography

Modules included: Art History, Color Studies, Photography (Fine Art, Social Documentary, Commercial, Darkroom), Cinematography, Graphic Design, Interactive Design, Painting, and Drawing.

SKILLS

Thanks to my education, I have a thorough grasp of the **principles of design** and a deep understanding of **audio processing**. Though my education is primarily in the arts, I have always been interested in the intersection of art and technology. This interest has allowed me to work professionally in diverse contexts with a **broad range of technologies**.

- Languages & Frameworks: **Rust**, Python/Django, **JavaScript/TypeScript** (Node, Vue, Nuxt, React), PHP, Dart/Flutter
- Databases & Infrastructure: PostgreSQL, Docker, Git, Linux, Nginx
- Concepts: Server configuration, API design, Parallel computing, microservices
- Soft Skills: Quick learner, curious, autonomous, team-oriented, creative problem-solving