

Ethan Brann

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Skills

Languages - TypeScript, JavaScript, HTML, CSS, Sass, PHP

Frontend - React, Vue, Three.js

Backend - Node.js, Express.js, Laravel

Tools/DevOps - Git, Webpack, Vite, Docker, Kubernetes, AWS, GCP, Github

Testing - Jest, Vitest, Cypress

Database - Postgres, Sqlite, DynamoDB

Experience

Modulous

ThreeJS Developer

March 2023 - Dec 2023

- Collaborated in the design and development of a suite of algorithms that generated building designs in adherence to current building rules and regulations.
- Worked closely with subject matter experts, such as architects, to understand the product requirements and ensure the product fulfilled its intended purpose.
- Contributed to the development of a generative rendering pipeline that rendered the output of the algorithm suite. In particular adding the ability to render textures on generated meshes.
- Lead development of elements of the user experience such as tools to manipulate a 3D scene.

Poplar Studio

Full stack developer

Aug 2020 - Feb 2023

Junior developer

Nov 2019 - Aug 2020

- Collaborated effectively within a small cross-functional team consisting of a designer, product owner, ML engineer and fellow developers.
- Contributed to all layers of the tech stack taking on responsibilities such as implementing frontends, designing and implementing REST APIs, and provisioning infrastructure.
- Lead the R&D and subsequent implementation of a browser-based 3D model viewer, seamlessly integrating it into various company products.
- Developed and maintained a full stack AR template solution, taking ownership of frontend (Vue.js), backend (Express.js, Postgres), infrastructure (Docker, AWS CDK, ECS), and AR experience (Zappar UAR).
- Demonstrated expertise of 3D and AR ecosystem including different file format capabilities, file format conversion, 3D model processing, optimisation, rendering and utilisation of AR SDKs.
- Assisted in interviewing, selecting and onboarding new team members.

Education

Bath Spa University

(2014 - 2018)

2:1 BA (Hons) Creative Music technology

- Included software development modules