



Alexander Towli

Software engineer

Education

University of East Anglia	2:1 BA HONS COMPUTING SCIENCE WITH YEAR IN INDUSTRY
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Technical skills

Languages	JAVASCRIPT (ES5+) TYPESCRIPT GRAPHQL BASH PL/PGSQL
Platforms & environments	NODE.JS APOLLO GRAPHQL UNITY
Front-end development	REACT REDUX APOLLO HTML5/CSS3
Database/DBMS	POSTGRESSQL REDIS FIREBASE
Deployment services	AWS SERVERLESS TRAVISCI GITHUB ACTIONS HEROKU
Operating systems	UNIX WINDOWS

SITE ALEXTOWLI.CO.UK
EMAIL ALEXTOWLI@HOTMAIL.CO.UK
GITHUB GITHUB.COM/TOWLI
LINKEDIN LINKEDIN.COM/IN/ALEX-TOWLI

Experience

BrightSign LLC, Los Gatos, US SENIOR SOFTWARE ENGINEER

JAN 2022 - PRESENT

Working as a core contributor to the careful management and development of a highly complex cross-platform Signage authoring application. Notable infrastructure work includes leading the migration of our 10+ year old legacy architecture based on git submodules to an Nx backed monorepo. Notable feature development has involved UI support for a market leading 8K multi HDMI-output media player.

LEGO, London, UK APPLICATION ENGINEER

OCT 2020 - JAN 2022

Working on the LEGO.com shopper platform, with a core focus on the carts, checkout, and fulfillment domains. I've made significant contributions building out high performant services on a large AWS serverless stack; making important contributions to the organisation's GraphQL schema, and leading a team in full-stack refactors and migrations.

ScreenCloud, London, UK PLATFORM DEVELOPER

JUL 2017 - SEP 2020

Full stack development on a digital signage cloud platform, with a focus on microservice architecture. Designed and developed a media transcoding system for the new product, involving considerable use of PL/pgSQL, AWS (Lambda, MediaConvert, ECS) and various event based services. Heavily contributed to a number of projects involving GraphQL, React and TypeScript.

Tacchi Studios, Tokyo, Japan SOFTWARE DEVELOPER INTERN

JAN 2016 - JUL 2016

Working on a Rails codebase for a web application - a semi-social semi-professional community for creatives in Tokyo. I've been exposed to many processes that a Lean start-up company executes; this includes re-branding, UX research and design, but with the majority of my experience in full-stack development.

Interesting projects

Websocket based YouTube broadcast app

Created a web app which converts youtube videos into live playback sessions, broadcasting to viewers concurrently over websockets. The project consists of a React app and a Node.js Typescript backend backed by Redis.

References and more info on interesting projects available on request