JOEL HUTCHINSON

CONTACT

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EDUCATION

2019-2023
UNIVERSITY OF BIRMINGHAM, BIRMINGHAM, ENGLAND

- Computer Science BSc (1st Class)

2017-2019
HOLY CROSS COLLEGE

- A Level Mathematics (A*)
- A Level Further Mathematics (A*)
- A Level Physics (A*)
- A Level Computer Science (A)

SKILLS

FRONTEND

- HTML5 / CSS
- JavaScript / Typescript
- Vue.js & Nuxt.js
- React,js & Next.js
- TailwindCSS

BACKEND

- Node.js (Nitro, Express)
- PostgreSQL
- MySQL
- PHP
- Laravel

OTHER SKILLS

- Git
- Azure DevOps
- Docker
- AWS
- Python (Pandas, Sci-kit Learn)
- Artificial Intelligence
- Machine Learning

PROFESSIONAL SUMMARY

Full-Stack Web Developer with experience in modern web technologies, primarily Vue.js/Nuxt.js and React.js/Next.js. Skilled in managing PostgreSQL and MySQL databases, creating RESTful APIs, and implementing Test-Driven Development (TDD). Adheres to GoF design patterns to ensure scalability and flexibility. A multidisciplinary background in web development, ad-ops, data science, and business analysis enables seamless integration into any environment.

WORK EXPERIENCE

Ascender Publishing   FEB 2024 - PRESENT
Software Engineer

- Designed, developed, and maintained a scalable and user-friendly CMS in Nuxt.js. Integrated ChatGPT to automate content generation in order to make the workflow of our editors and writers more efficient.
- Built a robust RESTful API to serve as an abstraction layer between multiple websites and the CMS, ensuring secure, efficient, and scalable data exchanges.
- Organized and managed multiple databases. Implemented role-based security and optimised common queries with indexing and caching.
- Integrated Cloudflare across all projects for selective caching, security enhancements, and request manipulation via workers.
- Maintained and expanded a PHP Laravel codebase, strengthening test coverage and optimizing the CircleCI CI/CD pipeline for efficient deployments to AWS and Docker Hub.
- Assisted in ad-operations by integrating SSPs into Prebid.js stack, configuring ad inventory in Google Ad Manager, and implementing Assertive Yield (ad-ops wrapper) on the sites.

Vodafone   Jun 2020 - Sep 2022
Data Science Intern & Business Analyst

- Utilized SQL (Teradata) and Python (pandas) to extract, clean, and analyze large datasets, and provide actionable insights to stakeholders.
- Developed a desktop tool to detect outliers within company datasets using a range of statistical analysis methods (Kolmogorov-Smirnov test, P-values, K-nearest neighbours, Isolation forest).
- Organized and led Agile team meetings on Azure DevOps, including sprint planning, refinements, and retrospectives, to support front-end and back-end teams in developing new features for the basket microservice.
- Collaborated with front-end and back-end engineers to define user stories based on business requirements, conducted user acceptance testing, and provided feedback, while effectively communicating with stakeholders to ensure project alignment and progress.