Devon Brazier

Full-stack Software Engineer

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Profile

A software engineer bringing a combination of fast learning and adaptability, having honed skills over 3.5 years in the fast-paced e-commerce industry. Strong problem-solving skills, excels in agile teams, contributes to innovative solutions for complex technical challenges. With a deep understanding of both customer and client needs, enabling the development of solutions that meet and exceed consumer expectations.

Skills

FRONTEND

Javascript | HTML/CSS | Firebase | React | Redux

API

REST | GraphQL | RPC

SERVER

Microservices | Python | Serverless | Distributed Systems | Docker | Java | Firebase

DATA

SQL | NoSQL | Firestore | DynamoDB | PostgreSQL | Contentful

AI

Mathematics | PyTorch | Pandas | Neural Networks | Transformers

Experience

Software Engineer @ Ocado Technology

Sept 2020 - present

ECOMMERCE • *SEPT 2021 - PRESENT*

Part of a cross-functional team:

- Building and deploying features to 9 clients across 9 countries to both web and mobile apps.
- Operating as a full-stack engineer using React/Redux for web frontend, and Java Spring microservices, serverless functions, and distributed databases for the backend.
- Handling both in-office and out-of-office support responsibilities.
- Leading discoveries and implementation for end-to-end features across multiple teams. Creating meetings, writing documentation and remaining organised to deliver a durable

product.

- Large contributions to the architecture of the CMS system to ensure long term scalability and flexibilty for both the platform and engineers.
- Built a chat bot for company website using OpenAI's ChatGPT with recipe recommendations. Implementation shared with data science teams using both Python and Java microservices. Available in many languages for all clients.
- Designed, built and delivered a full-stack system for recipe management on an ecommerce platform, utilising Contentful third-party service as a CMS. This enabled clients to create recipes for their online stores and customers to easily shop for meal-centric grocery needs.
- Designed a platform-wide sitemap system using AWS Lambda, S3, and CloudFront. The system included all products and recipes in all available languages, while minimizing cost and maximizing autonomy and code ownership for teams. Solution was extensible for other use cases including the chat bot above.

PERCEPTION ROBOTICS • *MARCH 2021 - SEPT 2021*

Built a suite of applications to simulate warehouse operations, enabling robotic teams to test software changes against physics engines before using live pick-stations. The suite was developed using Python (FastAPI, gRPC), Docker, ROS (Robot Operating System), and Unity physics engine. The simulation suite significantly improved the efficiency of the testing process and enabled faster feedback loops, allowing teams to catch and fix issues earlier in the SDLC.

Education

University of Birmingham

2019-2020

Computer Science MSc: Class II Division I - Average 86%

University of Birmingham

2015-2018

Physics BSc: Class II Division I

Contact

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