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Development Experience

Sortlist - Brussels, Belgium

11/19 – now

Sortlist is a marketplace where businesses can acquire or offer marketing-related services to suit their needs.

Tech stack: React, Node, Express, Angular, TypeScript, GraphQL, PostgreSQL, Jest, Enzyme, Cypress

Team Lead

From 03/20

- Led a cross-functional team to achieve SEO related OKR goals, worked with a remote team in Romania
- Introduced and improved release and development processes, interviewed new hires
- Organised team skunkworks, mentored junior devs, held workshops on topics (TDD, TypeScript, SOLID)

Senior Software Engineer

From 11/19

- Introduced automated testing on legacy codebases with Jest, Enzyme & Cypress
- Rotated a scrum master role, rotated a release manager role, developed client-facing features
- Led an R&D project to transition from a highly customised Angular implementation to React with TypeScript

DeveloperFair - Remote

01/19 – 10/19

DeveloperFair is a remote consultancy startup specialising in the space of software engineering as a service.

Tech stack: Java, Kotlin, Swift, React, Node, MySQL, MongoDB, Jest

Contract Software Engineer

- Led the roles of developer and architect on client project solutions
- Orchestrated CI/CD infrastructure, wrote feature specs; organised stand-up; managed tech debt & processes
- Implemented loan eco-credit/resource management platform for environmental restoration in rural Kenya

Swrve - Dublin, Ireland

02/18 – 01/19

Swrve is a real-time marketing engagement platform which processes 100K+ events/second for millions of users.

Tech stack: Ruby, Rails, Java, GraphQL, React.js, Jest, Selenium, RSpec, MySQL

Software Engineer

- Managed API/backend features, frontend features, CI/CD infrastructure with Jenkins, wrote feature specs
- Orchestrated a migration from REST to GraphQL, migration from Ember to React, dashboard redesign projects
- Optimised GraphQL aggregation and SQL query times by a factor of 20x - from 6s to 300ms.

GlassByte - Dublin, Ireland

04/15 – 12/17

GlassByte was a consultancy startup providing medical apps and web-based services in Dublin based institutions.

Tech stack: Java, Swift, Python, Flask, Node, ES6, Handlebars, Express, MySQL, MongoDB

Co-Founder/Product Engineer

- Worked directly with clients to gather requirements, architect & develop web & mobile solutions
- Designed user interfaces, partook in UI/UX based design, research and hypothesis testing processes
- Implemented specs for clinical trial medical services to assist a hospital with data ingestion pipelines

Machine Learning/Software Engineer Internship at Accenture Innovation Labs (Dublin, Ireland)

Personal Projects

Mongoize ORM

An open-source pseudo-relational layer on top of MongoDB for TypeScript/JavaScript for quickly interacting on MVP projects. The aim was to bridge the gap between relational databases and the flexibility of document-based data stores. Published on npm.

Technologies: TypeScript, MongoDB, Webpack

Drynk

A digital breathalyser that allows users to predict the effects of alcohol intake in a timeline, so that they can make informed decisions about when to stop. The user adds drinks and the app works out the projection & approximated current state to aid their judgement. The platform consists of backend microservices to calculate user timelines, while an Android app acts as a client to interact with the service.

Technologies: Kotlin, Java, TypeScript, GraphQL, PostgreSQL, microservices

FOSS Snapchat Filters

An open-source webcam feed solution resulting from work done on a research paper regarding the topic Orthogonal Procrustes in linear algebra. The efforts were based on applying 3d graphics on a 2d pose using facial landmarks. Simulated filters included object rasterization on pose, face swap, and light occlusion.

Technologies: Python, OpenCV

Education

University of Dublin, Trinity College; BA/BAI in Computer Engineering (II.I result; equivalent to A- grade)

Awards

Received *New Frontiers Phase 1* scholarship to build business development skills in DCU, Ireland

Achieved first place in the hackathon *Hackathon na Gaeilge* organised by UCD, Ireland.

1 of 10 in Ireland to receive the *Huawei Seeds of the Future* scholarship to spend a month in China

Technologies: JavaScript, TypeScript, Node.js, React.js, Redux, Express.js, Java, Python, Ruby, CSS, HTML, GraphQL, REST, MongoDB, PostgreSQL, MySQL, SQLite

Frameworks/Tools: Jest, Mocha, Chai, Git, Express.js, Next.js, Rails, RSpec, Flask, Babel, Webpack, Jira, Confluence

DevOps: Digital Ocean, Amazon Web Services, Dokku, Heroku, Docker, RabbitMQ, Linux

Processes: Agile (Kanban, Scrum), Waterfall

References

Available on request.