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Sean Dempsey

EXPERIENCE

University of Limerick – Masters of Art and Technology, September 2021 - September 2022

Student – First Class Honours

Combining my interests in technology and art, this course involved creating several art installations and works. This involved construction, electronic engineering and software engineering alongside arts research in my area of interest.

Skills: Java, Javascript, MaxMSP, Reaper (audio production), electronic engineering

Gorey School of Art, September 2020 - May 2021

Student (Level 6) – Distinction

In the midst of the pandemic, I decided to use the opportunity to do a PLC course in Photography and Filmmaking, as photography is a longstanding hobby that I take very seriously.

Skills: Photography, Writing, Adobe Lightroom, Adobe Premiere Pro

Contract Role -- Reperio Human Capital - DEPT - Cartrawler, February 2020 - May 2020

React Developer

Working in a small team of developers in Cartrawler on a car rental widget system for use by third-parties (primarily airline online purchase flows) using React.js

Tech and methodologies used: React, Storybook, unit tests (enzyme), Git, Sentry

DistilledSCH, Daft.ie -- Daft Beta Team, March 2018 - February 2020

Frontend Developer

Working in a Kanban team, creating a reusable library of components to ensure best practices, consistency, and robustness of complex components for use across several websites in the group using React with Next.js.

Rebuilding daft.ie to bring it up to date in terms of technology and design (responsive design and mobile first) and manage scalability of the frontend.

Tech and methodologies used: React, Next.js, Webpack, Storybook, unit tests (react-testing-library), automated testing (Cypress), Git, Sentry

Sky, NowTV -- CrossTV International Team, May 2017 - March 2018

Software Developer

Working in a scrum team on a React/Redux application which runs across multiple TVs and consoles. A lot of focus is put into code reuse, using an 'internal open source's model. Personally, I have contributed to multiple code bases (e.g. one for providing a generic API for many of the devices we work on).

Tech and methodologies used: React, Redux, Webpack, SCSS, unit testing (Enzyme), automated testing (Selenium), Scrum (JIRA), Git

Sky, NowTV -- CrossTV Team, January 2016 - May 2017

Associate Software Developer, promoted to Software Developer in January 2017

Worked in a scrum team on an AngularJS application which runs across multiple TVs and consoles. We also maintained a small Node.js application to reduce calls from client devices. We put a big emphasis on testing, including extensive unit testing and automated testing. For new features, we often used multi-variant testing, along with tracking data to make decisions on our next feature.

Tech and methodologies used: AngularJs, TypeScript, Underscore, Node.JS, unit testing (Jasmine), automated testing (Selenium), Scrum (JIRA), pair programming, Git, Gulp, Grunt, Optimizely

Sky, NowTV -- Graduate Team, July 2015 - January 2016

Associate Software Developer

Worked in a team of 4 graduates building a microservice to surface a 'trending' feed for client devices to consume. This involved building a system to aggregate recent views for shows and movies, while preventing users being able to artificially inflate trending scores. We also became the first graduate team in the graduate scheme history to release a customer facing system to production. As a team we then spoke at Sky's first internal tech conference in September 2016.

Tech and methodologies used: Scala using akka framework, Groovy, MongoDB, Scrum (Trello), Test Driven Development, pair programming, Git

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EDUCATION

Art & Technology, Limerick University, 2021 - 2022
MA - First Class Honours.

Photography & Filmmaking, Gorey School of Art, 2020
PLC - Distinction.

Computing & Management, Loughborough University, 2014
BSc Hons. - Graduated with 2:1 overall.

Chemistry, Loughborough University, 2011
Took one year of Chemistry before deciding to pursue my passion for Computer Science.

European School of Brussels III, 2010
European Baccalaureate – Graduated with 73.64% overall.

SKILLS

Photography/Video Skills
- Experience using both digital and analogue cameras
- Experienced in Lightroom, Photoshop, Premiere Pro

Computing Skills
- JavaScript -- *Vanilla, ES5, ES6, TypeScript, Angular 1 and 2, React, Next.js*
- HTML5

- CSS3 -- *Vanilla, SCSS.*
- Unit Testing -- *Mocha, Jasmine, Sinon, react-testing-library*
- CI -- *Jenkins, CircleCI*
- Git
- Build tools -- *Gulp, Grunt*
- Automated Testing using Selenium and Cypress
- Some experience with: Elm, Scala, MongoDB, PHP, SQL

Additional Skills

- Fluent French
- Strong oral and written communication skills (experience including writing for university magazines and giving presentations at conferences during my career)

ADDITIONAL ACTIVITIES

- Hosted two weekly student internet radio shows over three years
- Raced as a member of a team in the British Universities Karting Championship
- Chess Enthusiast