Kyle Watson

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EXPERIENCE

SamsonVT – Lead 3D Developer (18-05-2020 - Present)

Full stack development working on a robust AWS techstack to implement a Virtual Twin platform. In this role, I had my first experience in managing and growing a team, as well as developing new capabilities within the company.

Roles and responsibilites included:
- Managing the 3D artist team and content.
- Teaching people about 3D concepts and techniques.
- Developing content creation workflow and review processes.
- Full stack development.
- Creation and maintenance of:
  - Restful APIs
  - Responsive UI components
  - WebGL 3D Visualisation
  - Infrastructure as code
  - AWS Serverless CI/CD

WoodWing Software – Software Engineer (01-02-2019 - 01-06-2019)

Full stack development working with UX and support teams to develop enterprise CMS software. This placement role helped me develop my core skills with working on production code.

Roles and responsibilites included:
- Using test-driven development and fixing bugs found in QA.
- Refactoring outdated code to the newer standard developed within the company.
- Implementing new features through pair programming and other team-oriented practices.

M2Mobi – Developer Intern (20-09-2018 - 20-01-2019)

Student team working on an in-house native android app for reserving meeting rooms in the office. Integration with GSuite, Google Calendars, Firebase. During this internship, I developed a key understanding of Agile methodologies and how development teams fit into a software agency.

Roles and responsibilites included:
- Creating and planning stories and sprints.
- Developing full stack android Java.
- Teaching android Java to less experienced team members.

SKILLS

Typescript
NodeJS
React
Gatsby
ThreeJS/R3F
NPM
Agile/Scrum
AWS
DynamoDB
S3
Lambda
Serverless

SKILLS

Typescript
AngularJS
Java
Spring
ElasticSearch
Kotlin

SKILLS

Android
Java
G Suite
Firebase
Material Design

EDUCATION

First Class with Honours – Software Engineering Bsc
University of Salford (2016 - 2020)

Before graduating with a first class bachelors of science degree in July, I had the opportunity to grow my skills, knowledge and interest in the world of computer science. During my time here I attended many tech events and competitions as a way to further my abilities.

Modules included:
- Software evolution and maintenance.
- Design patterns.
- Data structures and algorithms.
- 3D and VR Game development.
- Mobile Development (Android + IOS).
- Networking and Linux.

Mobile Development Thematic Semester
Hogeschool van Amsterdam (2018 - 2019)

While working on my final project, which earned me a 10/10 grade, I grew to love working with Java, Kotlin and the Android platform. This was also the year that I studied abroad, learning a lot about Dutch culture and gaining independence. This was also the time in which I did my placement abroad.

Modules included:
- Android app development.
- Mobile design.
- Professional project (M2Mobi).

SKILLS
Linux
Autonomy
Research
Java
Swift
C#
Unity

SKILLS
Android
Java
Kotlin
Firebase

AWARDS

NatWest Payments Hackathon 2019 - Winner of Most Socially Inclusive

Our project 'Potpay focused on helping homeless people receive and organising donations using open banking APIs.

Hack Manchester 2019 – Winner of Best Student Team

As part of Team Red Summit we built an Alexa skill for vulnerable people to contact their ICE and the emergency services in different scenarios. This utilised the Alexa APIs as well as SMS APIs to send GSM messages.

FOSS

Project Contributions

- Criptext: A privacy-focused encrypted email provider.
- FreeTube: A desktop YouTube client that doesn't use any Google APIs.
- Posidon Launcher: A highly customisable Android launcher.

Hosted Services

- Yotter (WiP): An alternative front-end to YouTube, without passing information to Google APIs.
- Searx: A privacy-respecting, hackable metasearch engine.
- Nextcloud: A self-hosted productivity platform to keep files, contacts, calendars, notes and tasks in sync.
- Grafana: A graphing and dashboard front-end, powered by Prometheus collecting data about the watsonk.me services and server.