

Alex Grant

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SUMMARY

Developed numerous programs in college using NetBeans, SQL Developer, Play Framework, Rational Rhapsody R Studios, Visual Studios, Git Hub, IntelliJ IDE, Notepad++ and Microsoft Office. I enjoy learning to use new software, and have been working within teams most of my life in sports and in education, not only can I work in a team but on my own using my initiative. I am calm, patient and reliable person and love a challenge.

IT SKILLS

- Ionic
- Angular
- Cordova
- Java Developer.
- Scala
- Experience in system maintenance.
- Using OO Approach building data base schemas and UML diagrams.
- Can write SQL & SPARQL queries
- Can design and create database schemas using Rational Rhapsody.
- Capable of designing developing websites using IntelliJ, sublime, notepad++, CSS, HTML, Java Script and Play Framework.
- Consistent user of Windows Operating Systems.
- Design build and troubleshoot a network using routers and switches.
- Film editing using Final Cut Pro.
- Animation using Adobe Flash, Photoshop and Illustrator

EDUCATION & QUALIFICATIONS

BSc (HONS) Computing and Software Development
Institute of Technology Tallaght, Dublin 24

2015 – 2019

4th Year GPA (2.46)

Computational Theory(B-), Enterprise App Development 2(C), Enterprise Performance Arch(C+), Project(C+), Architecture on Public Cloud(B-), Interactive Media Design(B), Enterprise Application Dev 1(C), Information Management(B-), Algorithms & Computation(D), Security for the Cloud and IoT(B-)

3rd Year GPA (2.38)

Web Application Development(C+), Operating Systems (B), Cloud servers and distribution comp (B), Advanced Databases (B-), Data Structures & Algorithms (D), Data Analysis (D), Internship (Complete)

2nd Year GPA (3.23)

Networking 1(B+), Software Quality Ass & Testing(B), Software Development 3(B), Web & Mobile Design & Development(B), Discrete Mathematics 2(B), Database Design & Programming(B-), Project(A), Networking 2(B+), Management Science(B+), Software Development 4(B+), Information security(B+), Object Orientated Analysis and Design 1(C+)

1st Year GPA (3.17)

Business & Information Systems(A), Object Oriented System Analysis(A), Database Fundamentals(B+), Operating System Fundamentals(B+), Software Development 2(B), Social Media Communications (B), Software Development 1(C+), Computer Architecture(B), Fundament of Interface & Web(B), Discrete Mathematics 1(B), Learning to Learn at 3rd Level(B), Statistics(C+),

4th year project

September – May 18/19

My project is a hybrid mobile application for android and IOS. I crested a junior manager app that will allow a manger to create and select a squad (soccer) of players for a youth team. When managing kid's football, it is not about high intensity training, it is more about teaching them the basics of football such as passing, shooting attacking, etc. I trained junior level football for six years; while I was managing teams, writing on paper in Ireland is so difficult sometimes because of the weather. The wind blowing the papers everywhere and the rain destroying some documents too. In addition, this is where my idea came from.

With my app, the manager signs up and can create a squad of players, when the manager creates a player an account is also created with the email provided by the player and a password is automatically set. The manager then can search edit and view all players' information. In addition to that, I have created a five-star rating system that rates players on six topics passing, shooting, defending, attacking, goal keeping skills and just general skills that the players have. Once you have rated the player you can get an overall average of that players training session calculated.

I also have a feed so that players and managers can communicate within the application it is like a Facebook post you can write a post, comment and like the post. I added this feature in for the purpose of the manager to be able to post messages about the training sessions and the matches that are upcoming. The players can then reply if they are available or not, another problem I faced was that I did not know sometimes if I had a full squad for training and matches in advanced and found out on the day but sometimes that was too late.

Below is a link to a walkthrough of my 4th year project.

<https://www.youtube.com/watch?v=RobWozyMlyw&t=65s> (30 minutes)

The technologies used to build the application was

Ionic 4	Angular 6	Jenkins	Google Cloud Functions
Cordova	Typescript	Firebase	Visual Studio Code

These where all new technologies that I used except for Jenkins that I used in Bank of America Merrill Lynch

Internship bank of America Merrill Lynch

February – August 2018

In the second semester of our 3rd year we were required to apply for an internship. In addition, I got a placement at bank of America Merrill Lynch. I was allocated to the operations team on the 5th floor.

Our team was the Brexit team and had to aim for a hard Brexit so in other words the bank wanted to have all information on companies from Great Britten sorted by the time Brexit is finalized.

I had two jobs within the bank one of which was an in-house project. The project was a dashboard and implemented in ITRS. ITRS Geneos is a mentoring system and uses UNIX command line and basic scripting. There were six interns on the project and our team manager an employee of the bank to oversee the progress split up the workload

My day-to-day job was to create queries using SQL and SPARQL all queries where Brexit related. After the queries have been constructed, I then created a Scala class and implemented the queries into the class. Because the database was so large, the Scala class was constructed to deal with the big data. There was two places that the class had to be deployed and checked before it was deployed to production (PROD).

Technologies used

ITRS	SQL	SPARQL
Scala	Jenkins	Quartz
Intellij	Jira	Babun

PC Store Application

Description

This project was our 2nd year project for college building a CRUD web-based application using Java Play Framework. Technologies used include **Java OO** Approach **HTML**, **CSS** and **UML using IBM Rational Rhapsody, Intelij & Scala**. We decided to do our application on a pc store we set rolls out for each other and I was to take the roll of the registration and log in page. I started with making the HTML pages and added CSS to make the form look nice and tidy; once I created the pages, the next step was to put the pages into play framework. For the login page, I put some constraint on various fields so users could only put the correct information. The functionality I added to the application was to add users to the database once the information had been added. The login functionality it was to check through the database a compare the information to the database and log the user in if the information was correct.

Level 6-Advanced Certificate Network and Software Systems 2013 – 2015 Crumlin College of Further Education

Digital Communications and Media/Multimedia FETAC Level 3 & 5 Digital hub

2010 – 2012

Personal skills

- Great at working with people.
- Very reliable and punctual.
- Using my inactive.
- Constructing documentations.
- Working to deadlines.
- Ambushes and always looking to be better.
- Flexible and multitasking.
- Compleitive.

Posts of responsibility

- Volunteer member of a youth football team. Assistant manager and head coach at SandyHill FC

REFERENCES

Available on request