Curriculum Vitae, Michael Stokes

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Systems Developer and CP Analyst at Anglia Cathodic Protection Services with BSc Computer Science at the University of Surrey and placement year in industry at the Oil & Gas Authority and Fivium, London. Experienced and knowledgeable in a great range of technologies including React JS, React Native, Node JS, SQL, Java, and services including Google Cloud Platform, seeking a new opportunity in development and engineering.

Technical Achievements and Endeavours

- **Events Discovery App – Clustr (React Native, Node JS, MongoDB):** Startup involvement from an early stage developing the mobile app, designing and developing a great user experience building for both iOS and Android Simultaneously.
- **Restaurant App (React Native, Node JS, Google Cloud):** Personal project developing an app based on a local restaurant providing a means to access menus, events, opening times with engagement through push notifications. The Google Platform was utilised here providing a means for Authentication, Cloud Storage, and Serverless functions. Additional services include Twilio and SendGrid.
- **Personal Websites (React JS, Node JS, SendGrid):** I've created beStoked as a developers website with a means to promote mobile and web application development services. Additionally I'm working on my own personal website michael-stokes where I intend to reflect on Dev, Food, Music, and more soon.
- **Restaurant Management System (Java):** Software engineering module where I'd set myself this project. The application interfaced with a MySQL database, and utilised the singleton design pattern. Functionality included bookings, orders, and mock payments.
- **Atlassian Products:** Jira is an effective way to manage tasks, confluence for documentation, and bitbucket for version control with GIT of which all of my projects reside on.
- **Other:** Built travel web application using Spring MVC including use of APIs. Used Python for Artificial Intelligence including Image manipulation, and object detection including Twitter Sentiment Analysis. Additionally, have used Ruby on Rails with PostgreSQL and SQLite3 including a great use of Gems, along with Active Record.

Relevant Employment History

Anglia Cathodic Protection Services (February 2018 – Current)
Systems Developer / CP Analyst

Leading the company forward, innovating and streamlining. Most profound challenges include migration of companies email accounts from a small severely limited capacity package to Office 365 Business Essentials, iAuditor Reporting Solution, Remote Access over VPN, backups, networking, UPS, procurement, website and various applications. Additionally, involvement includes Business Administration, Health & Safety, Project Tracking, and much more.

Placement Year at the Oil & Gas Authority and Fivium (July 2015 – September 2016)
Web and SQL / PLSQL Database Developer

A focus on three web applications used in the Oil & Gas Industry, all various form filling systems which include vast database collections of data. The web development was done using an internal framework known as FOX, and the database Oracle SQL and PL/SQL writing and using complex queries regularly.

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University of Surrey: November 2014 – June 2017

Computing Lab Demonstrator for Software Engineering, Web Publishing and Databases, Web Applications Development, and Artificial Intelligence.

A deeply rewarding experience to be able to help fellow students with modules I'd previously covered. Software Engineering included implementation and design patterns. Web Publishing and Databases included PHP, MySQL, and building your own website. Web Applications Development included Ruby on Rails and SQLite building simple web apps. Artificial Intelligence included Neural Networks, SVM, and Bayesian Classifier for Image Manipulation, and Object Detection.

Computing Applicant & Open Days Student Guide / Demonstrator

A grounding experience to realise that I was always part way through University presenting to those who had not even yet begun. A satisfying experience being able to share valuable knowledge based on mine and others experience. Initially these were welcome talks with a general welcome to the University, along with a brief introduction to computing. Later came talks on placement year where again I could highlight the benefits of taking such year.

Higher Education

BSc Computer Science: 2:1 (Upper Second-Class Honours)

- **Programming Fundamentals** provided the foundation to Java Development and Object-Orientated Programming which then led onto **Software Engineering** where for an assignment I developed a Restaurant Management System which used a MySQL Database, and which additionally involved writing a software requirement specification. Additionally, **Advanced Object-Orientated Programming** touched on C++ as alternative to Java.
- **Mobile Computing** introduced me to Android Applications Development where I built a sales application which interfaced with a PHP and MySQL backend.
- **Web Applications Development** demonstrated the capabilities and simplicity of Ruby on Rails including that of Active Record, Heroku, and Active Admin. This led onto **Advanced Challenges in Web Technologies** which involved Spring MVC and using various APIs.
- **Practical Business Analytics** looked into big data and the various applications for interpreting and exploring big data be it IBM SPSS, Watson, and various other data tools.
- **Entrepreneurship and Innovation** enabled us to focus on business ourselves exploring the challenges of startups, and additionally how we would innovate upon existing platforms.

References

Kay Bailey (Anglia Cathodic Protection Services: Business Administrator)

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Mark Manulis (University of Surrey: Senior Lecturer)

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