

# Jamie Munro

## CURRICULUM VITAE



### PERSONAL DETAILS

- Born 25/09/1998 in Frankfurt, Germany
- British National
- Full UK Manual Driving and National B (Circuit) Competition Race Licence
- Excellent Health

### ABOUT

*Coder, Thinker, Nerd.* I am an ambitious and enthusiastic twenty-something computer scientist with a passion for solving problems with technology. I have been interested in computers since a young age, learning Java when I was 13 and have continued to improve my computer knowledge, learning new programming languages and technologies whilst putting my skills and ideas to the test in numerous personal projects. I have built up extensive Linux experience by maintaining personal servers and continue to use a Linux machine as my daily driver. I have also built many PCs both for myself and for friends and family and have a wide knowledge of the hardware market. The history of computing has always been of interest to me. I enjoy observing the progress of computing systems through time, and admiring the work of programmers from the past who were able to achieve so much with such limited resources. I am extensively self-taught and as a result, found some of the topics during first and second year of university to be less challenging. I felt that I learnt far more during my professional training year, but I thoroughly enjoyed my final year where I studied a number of advanced topics and undertook a personal research project on Swarm Robotic Mapping, the objective of which was to construct a simple, home-made Swarm capable of mapping an environment. This inspired me to continue my education and I am now pursuing a taught Master's degree at St. Andrew's with great interest. My focuses at the moment are computer architecture and blockchain. I am currently considering technology jobs for next year, as well as looking to continue my education by pursuing a PhD.

### CONTACT

Phone:  
(M) +44 (0) 7468 412223

Email:  
jamiebmunro@gmail.com

Website:  
<https://portfolio.jbm.fyi>

### EDUCATION

**University (currently enrolled):**  
University of St. Andrew's (2021-2022)  
*Advanced Computer Science MSc*  
*Distinction (expected)*

**University (undergraduate/honours):**  
University of Surrey (2017-2021)  
*Computer Science BSc w/ Professional Training Year*  
*First Class with Honours*

**Sixth Form:**  
Bournemouth School (2015 – 2017)

### QUALIFICATIONS

**A-levels (2017):** Computer Science (A); Mathematics (B); Physics (B).

**First Year (2017/2018) University Modules:** Computer Logic (72%); Data Structures and Algorithms (81%); Mobile Computing (82%); Programming Fundamentals (91%); Software Engineering (89%); Web Publishing and Databases (78%); Foundations of Computing (86%); Foundations of Computing II (67%).

**Second Year (2018/2019) University Modules:** Advanced Algorithms (75%); Computer Networking (87%); Software Engineering (Group) Project (47%); Information Retrieval (81%); Web Application Development (92%); Further Programming Paradigms (82%); Artificial Intelligence (82%); Parallel Computing (80%).

**Global Graduate Award (2018/2019):** French Stage 2 (82%).

**Third Year (2020/2021) University Modules:** Distributed Systems (82%); Information Security Management (87%); Final Year Project [Swarm Robotic Mapping] (78%); Natural Language Processing (73%); Deep Learning and Advanced AI (78%); Computational Intelligence (92%).

**Taught MSc (2021/2022) University Modules:** Computer Security (89.5%); Critical Systems Engineering (90%); Object Oriented Design, Modelling and Programming (89.5%); Principles of Computer Communication Systems (91.5%); Computer Architecture (TBD); Information Visualisation (TBD); Interactive Software and Hardware (TBD); Machine Learning (TBD); Dissertation in Computer Science (TBD).

## EXPERIENCE

### Automation Consultants – Technical Consultant (Intern)

Commerce Park, Merlin House, Brunel Rd, Theale, RG7 4AB ([www.automation-consultants.com](http://www.automation-consultants.com)).

### First Internship (June 2018 – September 2018):

- Atlassian Software Suite Support (Primarily Jira and Confluence): *installing/maintaining/upgrading/managing instances, performing bespoke customisation for customers, installing/managing underlying databases, developing plug-ins.*
- Debugged legacy 10,000+ line bespoke time-sheet software developed using VBA/Excel: *Visual Basic programming, using advanced features of Excel, debugging.*

### Second Internship (December 2018 -January 2019):

- AC requested that I return to contribute to a large scale Jira/Confluence migration for Vodafone: *customer interactions focusing on progress updates, permissions and resource requests, completing migrations including overall execution, testing, automation and python scripting.*

### Professional Training Year (August 2019 – August 2020):

- Jira/Confluence upgrade for Porsche working on-site at the client's premises: *performing technical work on upgrade, training junior consultant, testing.*
- Implemented Dev-Ops/Continuous Integration pipeline for International Airlines Group (IAG) using Gitlab: *creating docker files, bash scripting, configuring Gitlab.*
- Extended manual testing assignment for Ambassador Theatre Group working on-site at the client's premises: *gathering the business requirements, software familiarisation, developing test scripts, automating the gathering of results using python.*
- Developed automated migration script to move data from legacy issue-tracking platform to Jira for YouGov: *consuming REST API, python scripting, optimising performance, data caching, rapidly developing error handling (server developed intermittent fault during production migration).*
- Consulted and configured OpsGenie (Incident Management Platform) for British Business Bank working on-site at the client's premises: *configuring OpsGenie, customer interactions, delivering training sessions.*
- Upgraded from legacy version to current version of Jira for Arqiva: *planning the migration/upgrade, defining server requirements, migrating databases, migrating servers, network/firewall configuration, delivering training sessions.*
- Created a tutorial for the Rust programming language for internal use: *programming in Rust, tutorial writing.*

## EXPERIENCE (CONTINUED)

- Various activities on Amazon Web Services (AWS) including: *server procurement, calculating running costs, security configuration, network configuration, auto-scaling configuration, developing/deploying server-less applications (lambda), configuring API gateway, configuring EKS (Managed Kubernetes) clusters, configuring Simple Notification Service (SNS).*
- Developed the front-end for an automatic Jira/Confluence instance procurement web application: *JavaScript scripting, developing React web applications, consuming REST API.*
- Developed utility to extract data from legacy bespoke application database: *programming in Java, exploring/understanding database, reverse engineering.*
- Technical execution of website redesign: *configuring WordPress, managing add-ons, JavaScript scripting, CSS styling, performing Search Engine Optimisation (SEO).*
- Developed web scraping utility to search website for unsecured (HTTP) links: *web scraping, understanding website structure, python scripting.*
- Completed a reinforcement learning exercise with AWS DeepRacer: *python scripting, defining reward function.*
- Developed 3D virtual conference to replace a conference cancelled due to COVID-19: *developing Virtual Reality (VR), using AWS Sumerian, 3D modelling.*
- Gained a reputation as "The Linux Guy": *advising on Linux distributions/applications, performing installations on Linux machines, fixing issues on Linux servers, reminding others of Linux commands.*

## SKILLS

Java, C, C++, C#, Python, R, Ruby (on Rails), HTML, CSS, PHP, JavaScript (React), AVR Assembly, SQL, Elixir, Rust, Visual Basic, Groovy, Solidity, Android, Linux, Hardware Design, Electronics, Arduino, Jira, AWS, Docker, SEO, Agile, Dev-Ops, Continuous Integration, Microsoft Office, Robotics, Electronics, Cryptocurrencies, Blockchain, Security, Computer Networking, Machine Learning, (Intermediate) French, Individual Learning, Team-working.

## INTERESTS

Skiing, Politics, Current Affairs, History, Cars, Motorsports, (Amateur) Mechanics, Boating, Gym, Squash, Vintage Computers/Gaming, Reptiles, Hiking, Camping, Cooking, Financial Markets, Cryptocurrencies, Travelling.

Please see my website (<https://portfolio.jbm.fyi>) for more information and details about my projects, experiences and achievements.