

# Jonathan Starkey

Bournemouth, United Kingdom  
jonstarkey@protonmail.com  
Age 27

I am enthusiastic about and interested in computing and electronics. I studied at Bournemouth University, where I completed a bachelors degree in Computing and a subsequent masters degree in IoT. After University I completed a one year contract at an electronics firm in Poole. I am currently employed at an embedded electronics company also in Poole. I am looking to further my experiences across the stack, with a software developer role.

## FULL TIME WORK

**Full Stack Engineer**, Elite Skills Arena Ltd. Dec 2022 – Present

- Role: Maintaining the development life cycle of multiple in-house software and hardware projects for an embedded electronic sports equipment manufacturer. Programming centralised solutions for real-time electronics using Linux, C++ and Qt. Operating Grafana and Ansible for upgrade and maintenance of over 500 IoT devices, located across the entire northern hemisphere.

**Production Engineer**, Gemini 2000 Ltd. May 2021 – May 2022

- Role: Manufacturing, programming and operating a range of embedded electronics for contactless (NFC/RFID) solutions. Using electronic design software, programming and testing software/firmware, programming automated optical inspection machines, interpreting schematics and soldering.

**Software Test Engineer**, Codeless Platforms Ltd. Sep 2014 – Jul 2016

- Title: Quality Assurance Engineer
- Role: Working with internal developers and 2<sup>nd</sup> line support to maintain the quality of in-house developed BPM software. Programming automated software testing using Ranorex Studio. Working with RESTful APIs queries, markup data manipulation and conversion, EMail/SMS automation.

## EDUCATION

**MSc. Internet of Things**, Bournemouth University - 1st Sep 2019 – Oct 2020

- Units: Wireless Mobile Networks, Wireless Sensor and Actuator Networks, IoT Security and Privacy, Cloud Computing, Smart Systems, Blockchain and Digital Futures.
- Thesis: Developing a User-centric Security Focused IoT Cyber Range
- Publication: *Addressing the Security Gap in IoT: Towards an IoT Cyber Range* (Journal) (PDF)
- Dean's Award: Highest Achieving Postgraduate Student 2019-20.

**BSc. Computing**, Bournemouth University - 1st Sep 2016 – Aug 2019

- Units: Computer & Mobile Networks, Digital Forensics, Data Mining, Software Engineering, Software Quality and Testing, Mobile Application and Web Programming.
- Thesis: An Evaluation of Bottleneck Bandwidth Round Trip Time for Improved Congestion Control.

## SKILLS

- Software Programming & Testing
- Computer Networks Design & Implementation
- Linux/Mac/BSD System Configuration & Administration
- Electronics Production (Schematics & PCB Design & Soldering)

## INTERESTS

I enjoy problem solving and logic puzzles. I follow open source software projects and tinker with hardware and electronics. I can sometimes be found mountain biking across the south coast. I also like to attend live music events.