

SENIOR SOFTWARE ENGINEER

CGI - Space, Defence & Intelligence (Oct 2018 – Present)

With a high amount of tech debt from legacy projects I took the initiative to develop and integrate a number of tools to reduce developer workload. These process improvements dramatically reduced testing time, increased unit test coverage by 40% and improved overall code quality.

- Developed a new BDD framework for automation testing using Python so new joiners wouldn't need to jump straight into Java.
- Introduced tools such as SonarQube and EditorConfig to unify the development process.
- Implemented Docker for the first time to improve future deployments.

SCRUM MASTER

CGI - Space, Defence & Intelligence (Jun 2018 – Present)

Having joined a new team with no previous Agile experience and a tight deadline to meet I took the role of Scrum Master. This allowed me to introduce new ways of working to ensure a successful project delivery, resulting in three SCRUM teams to be formed for all future development.

- Organise and facilitate all scrum events.
- Perform daily refactoring on user stories and tickets.
- Report progress and prioritise backlog with client weekly.
- Keep way of working and definition of done updated.

LEAD UX DESIGNER & UI DEVELOPER

CGI - Space, Defence & Intelligence (Aug 2015 – Present)

On multiple occasions I have started on half complete projects with a non-extensible UI not fit for purpose. This has required me to work directly with clients to rapidly prototype and implement brand new interfaces with complex functionality. This has resulted in very positive clients investing in multiple new projects.

- Designed and developed the Forest Thematic Exploitation Platform that can be accessed via <https://f-tep.com>. This service offers access to pre-processed satellite/ancillary data and provides an environment and tools for processing forestry data. This is now a widely used service accessed globally within the earth observation community.
- Produced a new set of electronic passport application forms for Gibraltar, Guernsey, Jersey & Isle of Man. These utilised the PDF417 standard allowing printed form data to be scanned in, saving time and eliminating mistakes made from previous manual data entry.
- Rapidly prototyped a number of interfaces and solutions leading to winning work for a number of projects.
- Uplifted a number of internal projects to bring the quality and branding in line with more modern interfaces.

SOFTWARE ENGINEER

IBM (Jul 2013 – Aug 2014)

- Developed the highest requested features by users, leading usability sessions throughout to ensure user needs were met before release.
- Worked in Quality Assurance fixing all high priority defects and all product accessibility defects, ensuring full system compliance.
- Developed a Support Assistance tool automating data collection for 2nd line support, saving significant time for the team on a daily basis.
- Taught programming at Ashburnham and Longfield primary schools, then lead two months of lessons at Macaulay CE School for IBM's Lego Robo Challenge 2014.

DAVID NORTON

Website

<https://davidnorton.app/>

GitHub

<https://github.com/piemasters>

EDUCATION

Professional Scrum Master I

Scrum.org

July 2018

Forensic Computing & Security

BSc(Hons) First-Class Honours

University of the West of England

2011-2015

TOOLS

Design

Photoshop | Illustrator | Invision
JIRA | Confluence

Front-End

Angular 7 | AngularJS | Node.js
JavaScript (ES6) | TypeScript
REST | GraphQL | Electron | RxDB
Sass | Less | CSS3 | Bootstrap
Material | Webpack | Gulp | Grunt
Selenium | Cypress | Cucumber
Karma | Jasmine | Mocha | Chai

Back-End

Java | Python | Android | NiFi | Kafka
Spring | Docker | Jenkins | Gerrit
SonarQube

ACHIEVEMENTS

- ❖ Three recognition awards in 3 years
- ❖ Technical interviewer for UX/UI
- ❖ Lead web-app security events at IBM, UCL & Cambridge University
- ❖ Ranked top 100 of 15,000+ in Cybersecurity War Games
- ❖ Former STEM Ambassador

OTHER ROLES

Peer Assisted Learning Leader

University of the West of England

Aug 2014 – Aug 2015

Web Developer & Writer

Freelance

Jun 2008 – Jul 2013