



## RORY LEAR

**Software Engineer**      Brookes Bell Safety at Sea  
2nd Floor  
280 St. Vincent Street  
Glasgow  
G2 5RL

Telephone      0141 572 5570  
E-Mail          rory.lear@brookesbell.com

**Nationality**          British

Rory joined the company in December 2016. He has been a software developer since 2002, with experience across a broad range of technologies and industries. He is particularly interested in 2D and 3D graphical interfaces, and has worked on many simulation products, including air traffic control, military land, sea and air.

Rory provides software development support for several Brookes Bell products including BBsim, a ship manoeuvring simulator and VDR playback tool, and Proteus, a seakeeping, damaged ship survivability, flooding, and casualty investigation tool.

### EXPERIENCE

December 2016 - Present      Brookes Bell Safety at Sea Ltd, Glasgow, UK  
**Software Engineer**

March 2016- November 2016      Gilden Photonics Ltd, Glasgow  
**Senior Software Engineer**

Maintained, supported and developed various software products relating to photonic instrumentation.

2014 - 2016

**Clear2Pay Ltd, Fife****Software Engineer**

Maintained, supported and developed ATM software simulation applications, for various customers across the world.

2011 - 2014

**Edinburgh Instruments Ltd, Edinburgh****Software Engineer**

Responsible for adding Spectrometer functional upgrades, to suite of spectrometer products, and adding new features and behaviours.

2008 - 2011

**BAE Systems Ltd (Simulations Division - Fife)****Senior Software Engineer****Air traffic control simulations group**

Provided design support for various Air Traffic Control simulators. Covering area radar simulators, fighter control simulations and approach radar simulations. Involved taking requirements and converting them into sets of scoped changes, with detailed estimates of size and scale.

Designing and implementation of software changes, including factory and site acceptances. Implemented software interface to 3D visualisation software, to prototype a 3D tower simulator for the Air Traffic Control Approach simulator.

2006 - 2008

**BAE Systems Ltd (Simulations Division - Fife)****Senior software engineer****Synthetic Environments group**

Designed, coded, implemented and delivered a software interface to Ship Air Defence Modelling simulation tool, for company's Synthetic Environments DIS tool, for the Type 45 destroyer. Provided software development support, for Synthetic Environment products suite.

2002 - 2006

**BAE Systems Ltd (Simulations Division - Fife)**

**Software engineer, Configuration manager**

**Air traffic control simulations group**

Provided software development support for various Air Traffic Control Simulators. Produced software releases, and ensured projects adhered to company quality procedures, and oversaw QA audits (internal and external).

1997 - 2002

**BAE Systems Ltd (Simulations Division - Fife)**

**Systems engineer**

Provided hardware and system design support on various simulators, including tank, radar, helicopter and submariner periscope.

**EDUCATION AND QUALIFICATIONS**

BEng (Hons), Electrical and Electronic Engineering  
*Heriot-Watt University*