peterkinnaird

senior software architect

contact

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languages

english mother tongue
japanese basic
proficiency

programming

♥ JavaScript
Node.js, PHP, C,
CSS3 & HTML5

experience

Full Time

| 2015–now | **Stream Technologies Limited** | Glasgow, Scotland |

Senior Software Architect
Detailed achievements:
· Designed, specified and developed a LoRaWAN network stack
· Helped lead up the development of the new iteration of Streams management platform IoT-X
· Worked with the team to make the development process better and more streamlined
· Occasionally visited conferences and talked about the company

| 2012–2015 | **Stream Technologies Limited** | Glasgow, Scotland |

Software Developer
Joined a small team at Stream and worked on making telecommunications software awesome Detailed achievements:
· Helped day to day with support tasks
· Helped continuously improve Streams internal systems
· Took ownership of build management
· Involved in lots of business meetings

| 2010–2012 | **Glasgow Caledonian University** | Glasgow, Scotland |

Research Assistant
Worked on a series of projects for Orange R&D with a team of other students
Detailed achievements:
· Made a Web Application to turn handwriting into a true type font
· Developed an Android application which detected emotion from voice, and motion
· Worked together with other students on usability testing and research
· Learned that I liked coffee a lot

Voluntary

| 2014–now | **Japanese Language and Culture in Glasgow** | Glasgow, United Kingdom |

Group Organizer
became group organizer when previous organizer left, restarted group activities and continued to organize group events. This included things such as study groups and Japanese cultural events happening locally

education

2008–2012   **BSc (Hons)** in Computer Science   The University of Strathclyde, Glasgow
Course focused on skills required in day to day Software Engineering
with some classes on more theoretical topics such as algorithms and pro-
gramming language design. Made the Deans list two years for performing
well on the course

technical skills

environments: windows, linux, mac os x, embedded systems, cloud **tools:** vi, atom, git,
svn, mercurial, docker, kubernetes, kanban, sticky notes **services:** mysql, postgresql, redis,
memcached, nginx, apache, rabbitmq

communication skills

2016   **Introduction to LoRa**   ScotLUG
Presented the LoRa stack solution that I was working on to a tech group in
Glasgow

2017   **LoRa and the Internet of Things**   British Computer Society
Introduced the LoRa and LoRaWAN protocols and gave a brief history of the
technology

interests

professional: software design, algorithms & data structures, development process, low
power radio, internet of things **personal:** piano, music production, japanese, cooking, trav-
eling

publications

international peer-reviewed conferences/proceedings

Evaluation of LoRa and LoRaWAN for wireless sensor networks
Andrew J. Wixted, Peter Kinnaird, Haji Larijani, Alan Tait, Ali Ahmadinia, Niall Strachan
2016 IEEE SENSORS, 2016