

Baron Khan

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Professional Profile

Cisco software engineer with over a year of industry experience in C++. Able to work equally well, both, as an integral member of a team and autonomously as required, utilising initiative to make strong decisions and remain focused in challenging, fast-paced environments. Currently seeking a software engineering opportunity in London.

Competencies include:

Software Engineering | Embedded Systems | Video Conferencing | Games Programming | Language Processing

Key Technical Skills

Languages: C | C++ | Python | Java | JavaScript

General: Git | Docker | Linux | Android | Office

Work Experience

Sep '18-Present: Software Engineer at Cisco | London, United Kingdom

- ◆ Developing the Cisco Meeting Server; coding in C++ and Python; feature development, bug fixes and testing.
- ◆ Focusing on Skype for Business interoperability, assist with security; developing SIP endpoint for automation.
- ◆ Responsible for the maintenance of MP4 recorder and RTMP streamer components; bug fixes, new releases.
- ◆ Deployed CMS recording recovery tool for customers; prototyping HLS streamer to replace existing streamer.
- ◆ Member of the 2nd placed team in Innovation Week '18; demoed slide timestamps in recordings for meetings.
- ◆ Working with the following protocols: SIP, RTP, RDP, TCP/IP; tools include: Git, Docker, Jenkins, Buildroot.

Apr '17-Sep '17: Software Engineering Intern at Cisco | London, United Kingdom

- ◆ Worked on the Cisco Webex Board (formerly the Spark Board); added a voice recognition interface framework.
- ◆ Contributed several bug fixes for the Cisco Webex Board Android-based user interface; added new unit tests.
- ◆ Transferred to the Cisco Meeting Server team; created video and audio analysis tool for media and layout tests.
- ◆ Actively coded in C, C++, Python, and Java; regularly utilised Git, Jam and Docker; gave several presentations.

Jul '16-Sep '16: Games Programming Intern at NaturalMotion | Oxford, United Kingdom

- ◆ Coded in C++ for the AAA mobile game, Clumsy Ninja (on iOS/Android); worked on unreleased VR game.
- ◆ Contributed to the Winter 2016 update for Clumsy Ninja, adding bug fixes and creating new in-game events.
- ◆ Created the Clumsy Ninja Event Tool; program for easily creating new events for Clumsy Ninja; coded in C#.
- ◆ Member of the winning team in the company's 2016 hackathon; created a VR experience with Unreal Engine.

Education and Qualifications

MEng 4YFT:	Electronic and Information Engineering (2014-2018) – Imperial College London 1st Class Honours Degree ; integrated master's degree with computing focus Undergraduate Teaching Assistant: C++ Software Engineering Labs (2016-2017)
3 A Levels:	Mathematics (A*), Physics (A), Chemistry (A) (2013) – The Latymer School
9 GCSEs:	A*s in English and Maths (7 A*s and 2 A's) (2011) – St John's Senior School
Coursera:	Natural Language Processing Sequence Models Neural Networks & Deep Learning

Projects

- ◆ **GitGudCommit.com (May '18-Feb '19):** Suite of tools written in C++ and JavaScript for improving the quality of Git repositories; includes a Git client hook and a web application utilising WebAssembly, jQuery & Node.JS.
- ◆ **Life at Sea (Jun '17-Aug '18):** Android/iOS game with realistic physics; features TCP networking multiplayer.
- ◆ **Voice Commands with WordNet (Oct '17-Jun '18):** 1st class final year project; a Java library for easily adding voice commands to applications and games using NLP; works entirely offline; created Android demo.
- ◆ **Pascal – Room Automation Assistant (Jul-Sep 2017):** Raspberry Pi bot resembling an Amazon Echo device; provides small talk and voice-control of lights and fans; created Android app; written in Python & Java.
- ◆ **C Compiler (Jan-Mar 2016):** University project that compiles C into MIPS Assembly programs; coded in C++.

Other Details

Interests Include:	Mobile Games Development DIY Robotics Football
Business Skills:	Courses taken: Accounting Management Economics
Further Skills:	Languages: English (native) Full, Clean Driving License
Portfolios:	github.com/BaronKhan tiny.cc/BaronKhanApps

References are available on request
