

Contact Details

Email

me@ellisvlad.com

Phone

+44(0)7791 616 214

Address

First Floor Flat
12 Manilla Road
Bristol
BS8 4ED

Skills

C	Excellent	
C++	Excellent	
Java	Excellent	
HTML / CSS	Excellent	
Javascript	Excellent	
PHP	Very Good	
Assembly	Very Good	
Python	Good	
Haskell	Good	

Software

Eclipse	Git	Jenkins
Gerrit	VirtualBox	Hyper-V
Slack	Jira	Confluence
WAMP	LAMP	LEMP
HeidiSQL	WinSCP	Putty

References

University of Bristol	-	Personal Tutor
Mineplex	-	Mobile Lead Dev
Digital Tree Media	-	CTO
Arm	-	BSG IoT Manager
BlockceptionMC	-	CEO/Founder

About Me

I'm a programmer and systems designer. I aim to consistently further my knowledge of the IT industry, to practice my skills and contribute to the development of cutting edge technology for the next generation of consumer. I work objectively, focusing on producing powerful and efficient code that satisfies the constraints of the project.

Experience

Present

Senior DevOps Engineer

Mineplex LLC

- > Lead development for a scalable Metrics aggregation system scaled to hundreds of server nodes using Graphite for storage and with a Grafana frontend.
- > Planned and executed automated full network upgrades to latest Linux kernel through ipmi remote management.
- > Set up SaltStack for network monitoring of system state to detect intrusions or unexpected changes.

Sept 2018

Sept 2018

Senior Software Engineer

Digital Tree Media Ltd

- > Working with Microsoft's Minecraft team, I lead Digital Tree's development to prepare bespoke systems that integrated their existing server software with Microsoft's Minecraft server protocol.
- > Lead development on platform conversions for Digital Tree Media's Microsoft Partnered Minecraft Server, porting APIs and toolsets to work on Android, iOS, UWP and MacOS.
- > Designed and configured Windows Server for zero touch Windows 10 network deploys to hundreds of computers at a time at gaming conventions and events with remote device management and role provisioning with Active Directory and Group Policy.

Feb 2017

Aug 2017

Mobile Security Intern

Arm Ltd

Working on Arm TF-M, I prepared a prototype for Arm's Platform Security Architecture Secure Storage. The system uses Arm TrustZone to securely store device keys, certificates and other data on IoT devices. The system was released as Open Source in April 2018 at Linaro Connect (HKG18-222).

Jun 2017

Jun 2016

Software Security Intern

Arm Ltd

I prepared a prototype for hardware decoding DRM protected video using Arm's Trusted Firmware on OP-TEE. I was in communication with a team at Google Seattle to develop a system and demo of support for both Widevine and ClearKey protected content on Android.

Aug 2016

Education

Bristol University (MEng Computer Science & Electronics) > 2015-Present

Saint Albans School > 2007- 2015

A-Levels:

- > Mathematics – **A**
- > Further Mathematics – **A**
- > Computing – **A**
- > Physics – **B**

Other Certifications:

- > Diploma in Digital Applications (DiDA) – **Merit**
- > European Computer Driving Licence – **Pass**
- > Physics – **A**