

# Graham Turner

Yorkshire / Hampshire / Wiltshire /Berkshire / Oxfordshire

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## PERSONAL PROFILE

An experienced Hands On software Engineer, IT Architect and Security professional who has excellent computer and mathematical skills, with ten years of background in supporting large businesses; I understanding the requirements and how to perform in the role; my experience of working with other developers, handling customer expectations, supporting and solving problems, developing services and handling technical incidents; all in a professional and objective manner, would make me a hard-working and effective addition to your company.

## VERSIONING

Please visit <https://github.com/backenddeveloper/cv> to download a newer version of CV and important cover.

## SKILLS PROFILE

- Problem solving and cross organisational ability, effectively identifying solutions to problems.
- Team Work - as a proactive member of a successful development team we worked together to succeed, exceed expectations and achieve targets set.
- Communication and interpersonal skills - working in information security and technical delivery for the past ten years I have developed excellent communication skills, effectively relaying complex ideas and concepts, correctly targeting the appropriate audience.
- IT skills – Advanced knowledge of GNU Linux, Extensive experience of operations automation using PHP, Java, C[++], BASH, SQL, Node and Python. Proficient in web languages and development. Extensive experience of setting up enterprise networking, server deployment, software architecture, embedded firmware design for custom micro controllers. Well versed in best programming practices.

## WORK EXPERIENCE

### Capita (UoS) Jul 17 - Current **Senior Development and Security Operations Engineer**

- Development of an extensive Cloud based (AWS, Azure, GPC) and self-managed in DC estate.
- Application development in Java 9, JUnit5, Cucumber, Apache Tomcat, Spring and Maven
- Development in PHP 7, PHPUnit, Behat, Javascript, Jasmine, Symphony and Laravel
- Development in Python2.7/3.4, unittest, behave/pep8/coverage, Django, Flask, Cython, Redis Celery
- Automation, CI/CD, Docker, Vagrant, Kubernetes, Jenkins, Jira, Linux, full KVM/container platform
- Hosting development, Chef, Ansible, Vault, Puppet, Ruby, Lambda/cloud-Formation/TerraForm

### Piksel Television Dec 16 – Jul 17 **Contract Site Reliability/Development & DevOps Engineer**

- Compliant BDD development in a wide ranging technical env with Java8, JUnit, Cucumber, PHP7, PHPUnit, Javascript, Jasmine, Python2.7/3.4, unittest, behave/pep8/coverage, Django, Flask, Jython
- Platform automation, Continuous Deployment, Docker/Rocker, Mesos-Marathon, Kubernetes
- Infrastructure as code, Puppet (Librarian), Ruby, Ansible, AWS and GPC automation tools
- Ultra-High-Availablity design, Software defined networking, event driven monitoring and architecture

### JSR Research Ltd

March 16 - Dec16

### **Contract Software Engineer / Technical Architect (Head of Technology)**

- Leading a development team, performing daily clean code review in an Agile (Scrum) environment.
- Full TDD Development in PHP 7 for LAMP, Java 8 for web (javax.servlet.http), Javascript, Jasmine.
- Database Administration and Maintenance: MySQL, PostgreSQL, Cassandra, Mongo, ElasticSearch
- Solely responsible for company internetworking, BGP, OSPF, MPLS, ACLs and firewalling.
- Business process automation with Rundeck, Python, Javascript and Google Golang.

**Talk Straight Broadband (Talk Talk)**

Oct 15 - Mar 16

- Developing and building Carrier-Grade Big Data logging, filtering and reporting solutions.
- Developing high quality applications in PHP, PHPUnit, Java, Python, C++ and full stack Javascript.
- Leading a team of highly-skilled engineers. Designing Technical Architecture. Project management.
- Capacity planning, estimating and costing, high quality documentation and reporting.
- Managing Security and Network operations within the ISP.

**Contract Software Engineer / Technical Architect  
(Head of Development)****Games Warehouse International**

Mar 15 - Oct 15

- Web game development, Javascript, XML, PHP, PHPUnit, NoSQL, MongoDB, AngularJS, Backbone
- Reverse engineering, IDA-Pro, decompilation, logic analysis, engine reconstruction.
- Embedded engineering, C, C++, Linux/Posix, Embedded Windows, NASM, Verilog, VHDL.
- Agile development; Scrum, Sprint, OOP, source control (GIT, SVN, P4), S/SDLC. Clean Code.

**Contract Software Engineer  
(Head of reverse Engineering)****The JDR Group** Dec 13 – April 15**Lead Developer and Security Engineer**

- Multi-platform application development and continuous integration for a large hosting company.
- Security testing and DevOps for auditing, compliance and assurance over multiple technologies. Cisco, Juniper, RHEL, Linux, Ubuntu, LAMP, AWS/EC2/S3, Virtualization with KVM and Vmware.

**MatrixVision** Jun 09 – Jan 14**Lead Pentester / Mathematical Lead**

- Development of server side applications using TDD; Java, C++, Node and Linux; focusing on algorithm design and heuristics, with a very strong emphasis on securely handling customer data.
- Security Engineering and Server set-up/maintenance. Application Pentesting and re-development.

**EDUCATION****The University of Liverpool**

CertHE Japanese, Other and longer qualifications

Additional CAT bearing modules:

Combinatorics, Mathematical logic and its language (including Godel), Statistics for SPSS

**The University of Cambridge** (Department for continuing education)

CertHE Legal practice for Paralegals, Other and longer qualifications.

**The University of Oxford** (Department for continuing education)

Other and longer qualifications. Certificates/Short course awards in:

Study, language and work skills, Classical literature and the Bronte sisters, Philosophy of Mathematics

**The Open University** (12 years)

CertHE Contemporary Science, CertHE Computing and IT, DipHE Mathematics, Bsc Mathematics, Bsc Physical Science, BA Open. Additional CAT bearing modules:

Complex analysis, Mathematical Methods and Models, Fluid mechanics, Advanced calculus and its applications, Quantum mechanics of matter, Electromagnetism, advanced Java development.

**Zend** – Zend Certified PHP Expert Engineer. (For more than five years.)**(ISC)2** Associate of (ISC)2, CISSP: Certified Information Systems Security Professional.**EC-Council** - Certified Ethical Hacker (CEHv6,v8,v9)

- Other penetration testing / secure programming / InfoSec qualifications.

**OffensiveSecurity** – Certified Penetration Tester (OSCP)**SANS Institute** – Certified Penetration tester (GPEN).**Linux Professional Institute** – LPIC-3 (LPIC-2, LPIC-1) Certified Data Centre Manager.**CompTIA** The Information Technology Industry Association.

A+ Network+ Server+ Security+ Linux+ CyberSecurityAnalyst+

**CISCO** Certified – CCIE Certified Networking, security and Infrastructure expert.**JUNIPER** Academy - JNCIE Juniper certified Networking Expert.**The Chappel University**: WCNA, Certified Network Analyst.**REFERENCES**References are available upon request. Please git clone <https://github.com/backenddeveloper/cv> [.git]