Graham Turner

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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.

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 (.Gov.uk) Jul 16 - Current   **Senior Development and Security Operations Engineer**
- Development of an extensive Cloud based (AWS, Azure) and self-managed in DC estate.
- Government 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
- (Between the lines): Quantum computing as a service, Q#, advanced cryptographic mathematical analysis, IoT ASIC design and deployment. Linux and BSD kernel development, commstad analytics.

Piksel Television Dec 16 – Jul 16   **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   **Contract Software Engineer / Technical Architect**
March 16 - Dec16   **(Head of Technology)**
- Leading a development team, performing daily clean code review in an Agile (Scrum) evironment.
- 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.
- Developing and testing security policies and procedures for PCI-DSS and ISO/IEC 27001

Talk Straight Broadband (Talk Talk)   **Contract Software Engineer / Technical Architect**
Oct 15 - Mar 16   **(Head of Development)**
- 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.

Games Warehouse International   **Contract Software Engineer**
Mar 15 - Oct 15   **(Head of reverse Engineering)**
- 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.

The JDR Group Dec 14 – 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.