NATHAN DEAMER
JAVA SOFTWARE ENGINEER

Date of Birth: 26th August 1987
Nationality: British
Location: Watford, WD18
Will Travel: Yes

Telephone: +44 (0) 7742 264341
Email: nd@nathandeamer.com
Website: http://www.nathandeamer.com

PROFILE
Motivated and hardworking Java Software Engineer with 7+ years industry experience working with multiple teams on large global web applications. Experienced in the full system development lifecycle, microservices, cloud computing, database technologies, RESTful Web Services/APIs, behavioural & test driven development and agile methodologies. Quick learner of new languages/technologies, work well under pressure and enjoy a challenge.

CAREER SUMMARY & SKILLS
- 7+ Years Java Web Application Development.
- Extensive knowledge of Java 8, Spring, RESTful Web Services, Hibernate, MySQL, NoSQL, JavaScript, HTML & CSS.
- Experienced in Java, JavaScript, Automation, UAT, BDD and TDD Testing.
- Experienced in Microservices/Service Orientated Architectures.
- Experienced in Amazon Web Services (EC2, CloudFormation, ASG, DynamoDB, Route53, CloudWatch, SNS, SQS).
- Experienced in Continuous Integration, Continuous Delivery and Continuous Deployment.
- Experienced in DevOps/Infrastructure (Kubernetes, Chef, Knife, Packer, Vagrant, Docker, Jenkins).
- Experienced working in a Agile development environments (Scrum and Kanban).
- Experienced in working with Unix environments (CentOS, Debian, Ubuntu).
- Experienced working for a large companies on a platform used globally.
- Able to adopt new languages, technologies and skills quickly and enjoy a challenge.
- Able to work under pressure to meet tight and important deadlines.
- Designing, implementing and testing new features.
- Writing robust, understandable and reusable code.
- Identifying and solving issues.
- Coordinating production releases.
- Able to work with multiple teams on projects including knowledge sharing.
- Internal, client and out of hours support.
- Mentoring and supporting new hires to understand technologies and encourage their career development.
- Motivated, hardworking and flexible.
- Good problem solver offering creative solutions.
- Excellent communication skills with colleagues and clients.
- Working well as a team player or individually.
- Good organisational skills.

EXPERIENCE OF LANGUAGES, TECHNOLOGIES, TOOLS & ENVIRONMENTS
Languages/Technologies: Java 8, Spring, RESTful Web Services, Vert.x, Multithreading, SOAP, Guice, Guava, GWT, RabbitMQ, Apache Camel, Logback, Ruby, Python, Django, JavaScript, JQuery, NodeJS, AngularJS, BackboneJS, Sass, LESS, JSON, XML, HTML, CSS.
Infrastructure: AWS, Kubernetes, Docker, Chef, Knife, Vagrant, Packer.
Databases: Hibernate, JPA, MySQL, DynamoDB, Apache Cassandra, MongoDB, Redis, Memcached, Lucene.
Testing: BDD, TDD, Cucumber, JUnit, JMock, Mockito, PowerMock, Spock, Selenium, Protractor, JMeter, httperf, UAT.
Tools: Maven, Gradle, Git, Subversion, Jenkins, Tomcat, Jetty, Apache HTTP Server, Nginx, Yum/RPM, Ant, Gulp, Bower, Jira, Stash/Bitbucket, Confluence, Github, Zendesk, Slack, Eclipse, IntelliJ.
Methodologies: Microservices/SOA, MVC/MVP, Agile, Scrum, Kanban, Pair Programming, Continuous Integration, Continuous Delivery, Continuous Deployment.
Operating Systems: OS X, Linux, Windows.

PROFESSIONAL WORK EXPERIENCE
Nathan Deamer Ltd: June 2016 to Present
Role: Java Software Engineer

Equal Experts: May 2017 to Preset
Role: Developer (Contract)
Client: Tesco
Project: Tesco Identity/Clubcard authorization
Greenfield project to provide a critical and high performance identification and authentication solution for all Tesco consumers, customers, colleagues and partners.

ND

Issuing and validating new Tesco Contactless Clubcard with a strong focus on performance and high availability (4k requests per second at peak with a required uptime of 99.999%).
- Java Vert.x microservices with Apache Cassandra database running in Kubernetes on AWS.
- Interacts with internal Tesco RESTful APIs.
Responsibilities:
- Working closely with other teams to understand their requirements.
- Designing, implementing, testing and documenting new API endpoints written with Vert.x.
- Designing and implementing Cassandra database schemas and queries.
- Deploying releases to Development, Pre-Production and Production Kubernetes clusters.
- Demonstrating new features internally.
- Working with the support team to resolve issues on new and old Tesco Identity system including cyber security threats.
- Writing detailed support documentation.

BBC: June 2016 to May 2017
Role: Senior Software Engineer (Contract)
Project: BBC Media Services - Marvin 2 (iPlayer live events)
Broadcasts live events (e.g. Olympics, Wimbledon, World Cup) on BBC iPlayer and produces video on demand assets for iPlayer catch up.
- Java Spring Boot microservices running in AWS.
- JavaScript front-end driven by Spring RESTful Web Services.
- Interacts with internal BBC and external third-party APIs via RESTful Web Services.
Responsibilities:
- Upgrading legacy Marvin project to a Spring Boot microservices architecture running on AWS (AutoScaling, CloudFormation, CloudWatch, DynamoDB, EC2, Route53, SNS, SQS).
- Writing BDD/TDD tests with Cucumber, JUnit and Mockito.
- Designing, implementing and testing new features.
- Working closely with the test and operation teams.
- Deploying releases to AWS.
- Presenting project to BBC Media Services department, including any technical challenges and solutions.
- Demonstrating solution to product owners for onboarding first BBC departments (Scotland, News, Sport).
- Writing detailed technical documentation for support and operation teams.
- Writing user guide.

AOL UK Ltd: August 2013 to April 2016
Role: Software Engineer
Project: ONE by AOL: Creative (Pictela)
Online platform for the creation, optimization and execution of cross-screen rich media adverts.
- Java webapp with GWT MVP/Angular front end driven by a Spring backend with RESTful endpoints, Hibernate, MySQL and MongoDB.
- Interacts with other AOL Platforms via APIs and RESTful endpoints.
- Reporting portal written in Python to produce advert performance related reports.
Responsibilities:
- Deploying releases to Unix distributions (CentOS).
- Migrated existing platforms to AWS using EC2, AMIs, CloudFormation, Autoscaling.
- AWS Blue-Green deployment scripts setup in Jenkins.
- Continuous Integration/Continuous Delivery pipelines setup in Jenkins.
- Designing, implementing and testing new features.
- Taking feature lead on new features.
- Demonstrating new features internally and to stakeholders.
- Verifying and resolving issues.
- Releasing code to production. Including blue/green deployment.
- Working closely with the support team with client queries and errors.
- Out of hours support.

Wave2 Media Solutions: August 2009 to July 2013
Role: Software Developer
Project 1: Adportal: Advertising platform for creating classified, display and trade print adverts.
Project 2: Marketplace: Classified advert listing platform.
- Java Spring MVC webapp with Hibernate and MySQL.
- Marketplace mobile website written in Backbone.js with a RESTful API.
Project 3: Publishing Platform: Rich media engine for building adverts to specified design guidelines.
- Powered by Adobe InDesign with custom plugin written using Adobe's SDK.
Responsibilities:
- Implementing new features and resolving issues in core products.

ND

- Assisting with design of new products and solutions.
- Working with the support team and customers to resolve issues.
- Meeting with clients to discuss customisation of projects.
- Out of hours support.

Accenture Technology Solutions (Industrial Placement): July 2007 - July 2008
Following graduation I declined a position.
Role: Associate Software Engineer
Client: Barclays
Project 1: Barclays Basel II
Role: Integration Test Analyst
Responsibilities:
- Testing the Unix system.
- Raising and closing defects.
- Producing reports.
- Writing scripts to automate the testing process.
Project 2: Barclays Faster Payments
Role: Environment Support Analyst
Responsibilities:
- Ensuring all four test servers running and loaded with latest software versions.
- Producing environmental reports.

EDUCATION & QUALIFICATIONS
University of Hertfordshire, Hatfield: September 2005 – June 2009
BSC Honours in Computer Science with Industrial Placement: First class honours.
Valedictorian of my year having obtained highest mark.
Scholarship awarded each year for academic achievements.

Modules Included: Programming 1&2 (A), Further Object Orientated Design and Implementation (A), Software Systems Development 1&2 (A), Computer Systems and Networks 1&2 (A), Computer Network Protocols and Architecture (A), Multimedia Systems Design and Programming (A), Advanced Multimedia and Interactive Systems (A), Formal Systems (B)

Final year Project (A): A demonstration of Java programming techniques and networks. Designing and Implementing a Multi-Platform Media Player that was also able to Stream music via IP networks, user interactions via speech recognition and querying online services such as LastFM and YouTube via Web Services. Available Java APIs made this possible.

Sun Java 5 Certification School: July 2007 – August 2007

Rickmansworth School: 1998 – 2005
A-Levels: Computing (A), Photography (A) and Mathematics (B)
GCSEs: 9 GCSEs A*-C: ICT (A*), Mathematics (A*), Photography (A*), Double Science (BB), Business Studies (B), English Language (C), English Literature (C), German (C)

INTERESTS & ACTIVITIES
- Keeping up to date with the latest technological advances via news sites, forums and meetups.
- Home automation.
- Running, cycling, boot camps and gym.
- London Marathon 2018 training for charity.
- Playing tennis and squash socially.

REFERENCES
Available upon request

ND