JIMMY MADON

SENIOR SOFTWARE ENGINEER

SKILLS

Languages:
JavaScript | PHP | HTML | CSS | Java | Python

Frameworks / Libraries / CMSs:
Node.js | React | Next.js | AngularJS | Laravel | CakePHP | WordPress | OpenCart

Web Service Architectures:
GraphQL | REST

DevOps / Server / Serverless:
Amazon Web Services (AWS) – EC2, ECS, ECR, Lambda, AppSync, SES, SQS, SNS, CloudFormation, S3, RDS, EFS | Docker

Source control / CI / CD:
Git, Git Flow, Jenkins, Travis CI

Agile Methods:
Scrum (Scrum Master + Product Owner) | Xtreme Programming | Kanban

Database Design:
MySQL (SQL) | Amazon DynamoDB (NoSQL)

Test Driven Development:
Jest | PHPUnit | Selenium | Cucumber

WORK EXPERIENCE

Senior Full-Stack Software Engineer
Mindful Education Ltd., London.
JUL 2019 - Present

- Developing **Moodle** Plugins for a 'blended-learning' education-tech platform using **PHP, MySQL** and **AngularJS**.

- Building an admin dashboard and reporting platform using **Node.js, React, GraphQL and Amazon Web Services.**

- Deploying and maintaining the applications above on **Amazon Web Services using CloudFormation, Amplify, AppSync**, **Amazon ECS and EC2** servers, **AWS Lambda for serverless** functions, **DynamoDB and RDS** databases, **Redis** Caching and **Amazon S3 + EFS** for file storage.

- Introduced the Agile concepts of **sprint planning**, **story estimation** and **sprint reviews** within the team which helped the Head of Digital in planning and communicating the team's work to senior management.

Associate Lecturer (Part-time)
Ecole de Management de Normandie., Oxford.
MAR 2017 - Present

- Delivering **introductory courses in Programming (Python, Java, PHP, HTML, CSS)** and Software Engineering to Undergraduate and Postgraduate students studying degrees in Business, Management, Banking and Finance.

- One of the few lecturers in the entire campus to consistently have a **student feedback score higher than 9/10**.

- Making complex subjects such as Object Oriented Programming more accessible to complete beginners and non-developers.

Lead Software Engineer
GENEO Software Ltd., Royal Leamington Spa.
MAR 2013 – NOV 2018

- Led the development of a "Lean Engineering" enterprise web application by setting the standard for clean and reusable **object-oriented PHP** code.

- **Re-wrote the core** systems (User Management, File Management, Authorisation and Permissions) using the *CakePHP* framework and deployed it on a **LAMP (Amazon Linux, Apache, MySQL, PHP)** stack on **AWS**.

- Delivered the above project by **deleting 120,000 lines of code while adding only 60,000** lines of code using cleaner 'Don't-Repeat-Yourself (DRY)' methods.

- Saved the company £9,000/year by reorganising EC2, EBS, RDS, SES and other resources on **Amazon Web Services** used to host the application.

- Created a robust **Continuous Delivery and Integration** platform using **Jenkins CI**.

- Enforced **Test-Driven Development (TDD)** with **PHPUnit** while introducing rapid automated **Front-end Testing** using **Selenium.**

- Led a **major 12 month transformation** from Waterfall to **Agile** methodologies that would radically change the entire software development lifecycle leading to a successful delivery of £100k projects.

- As the **Scrum Master**, introduced 2 week sprints instead of long 6-18 month projects.

- **Achieved software delivery goals for the first time** in the company's 11 year history and decreased sprint volatility to <8%.

- Led successful **recruitment campaigns**, especially at the University of Birmingham, to **add 7** young and **dynamic developers** to the Agile development team.

CakePHP Web Programmer / Sys Administrator
Staywimi Ltd., Enfield, Greater London.
MAR 2012 – NOV 2012

- **Server Setup and Administration:** Re-creating and organising the web application's Production, Testing and Development servers (Web and Database servers) using Amazon Web Services (EC2, EBS, RDS). Along with DNS redirects and the power of Git, a **Zero-downtime deployment architecture** was successfully achieved.

- **Restructuring the Information Architecture:** Created a shorter flow from Landing pages to Payments increasing number of bookings by 100% post-Olympics

- **Automated** all tasks to save an admin's time by upto 3 hrs/day. Rebranding the website to improve User experience (UX) thereby increasing the conversion rate by 40%

- **Optimizing site speed** – Time to search for properties in London was reduced to 0.8 sec from an embarrassing 24 seconds.

Web/Mobile App Developer
Euro International Communications, Essex.
JAN 2012 – APR 2012

- Redesigned the company website in *WordPress* increasing web traffic by 200%.

- Single handedly **designed and developed** an SEO friendly, eCommerce online web application using *OpenCart* / *Adobe Fireworks*.

Web Developer
Conta Webworks, U. K.
NOV 2011 – MAR 2012

- Converted *Adobe Fireworks* PNG prototypes into fully functional pixel-perfect websites using *HTML/CSS/JavaScript*.

ACADEMIC AWARDS

Jul 2011- Rank 1 of 75 in STM, London for the Advanced Diploma in Computing (79%)

Nov 2010 - Rank 3 of 75 in STM, London for the Diploma in Computing (84%)

Mar 2009 - Rank 2 of 120 in the K. C. College in Computer Science for the Higher Secondary Certificate Examination (12th Grade Govt. Exam) scoring 97%.

Mar 2007 - Rank 1 of 41 in The B.J.P.C. Institution for the Secondary School Certificate Examination (10th Grade Govt. Exam) scoring 88.30%