David Hall
Full Stack Developer

07919117154 - cv@davidkhall.com - davidkhall.com
3 Smithfield house, Aldbourne, Marlborough, SN8 2DU

Profile

I am a hands-on, professional software developer with over 6 years of experience designing, developing, testing and maintaining software for a variety of architectures. I have worked in numerous roles during the software development life cycle, from specification, planning, development, testing and production. I take pride in using industry standards to provide consistent code and regularly refresh my skills to ensure that I have the right tool for the right job.

Skills Matrix

Python | LUA | Node.JS | C | jQuery | React | Redux | bootstrap | bash | PostgreSQL | MySQL | Objective C | JavaScript | XML | JSON | cURL | SCRUM | REGEX | SDLC | Algorithms | Couchbase | Wordpress | Windows API | Windows | Linux | Project Management | Payment Gateways | Financial Technology | Redmine | Git | Testing | Jira | Bitbucket | confluence

Career Detail

<u>Black cow technology</u> -   **Full Stack Developer   September 2016 – Present**

Website: https://www.blackcow-technology.co.uk/ **Location:** Oxford

I work as part of a small team bringing gaming services to businesses of all sizes. I work closely with customers to provide support and continued upgrades completing work on both the frontend stack (node.js, React, redux and bootstrap) and the backend stack (python, pyramid and postgresql)

Achievements:

- **Refactor** – Completed a big refactor of legacy code to improve usability for customers and for continued improvements internally.
- **Back office** – Created an extensible API and administrative panel for customers to use on their gaming servers.
- **Support** – Liased with customers to create requirements, tickets and provided advise on refining their requirements.

<u>Kashing! LTD.</u> -   **Full Stack Developer   September 2014 – September 2016**

Website: https://www.kashing.co.uk/ **Location:** London

I lead a small team of developers that design software solutions to facilitate payments for businesses, from micro merchants to larger multi-national companies. I have been a key member of the team that has enabled this start-up to grow and meet business goals.

Achievements:

- **BACS** – I successfully completed the Integration with HSBC using the BACS-18 standard file format. Prior to this development, payments to clients would take 5 business days to complete and after this integration the time was reduced to 3 days. This had the impact of allowing employees to focus on more important tasks rather than administration.
- **Payment Gateway** – A high availability, multi-threaded low latency payment API that allows a customer to interface with multiple processors and acquirers.

- **Payment Integrations** – I integrated the following Processors and Acquirers:
  - First Data
  - Credorax
  - Cardstream
  - Datacash
  - World Pay
  - Realex
  - Valitor
- **Payment Frontend** - Managed the planning, design and implementation of the merchant panel software.
- **Mobile payment applications** – Planned and implemented both the iOS and Android mobile applications, that allowed Kashing! to meet its business goals for merchants to take payments on the go.
- **Samples** – Produced API examples and libraries in LUA, C, Node.JS, Python, PHP and cURL, jQuery.
- **MOTO** – Tablet solution for call centres that facilitates the acceptance of card information securely, whilst being flexible enough to support existing CRM systems.
- **Mobile Apps** – Merchant and consumer applications for making and receiving payments. Succeeded in allowing Kashing! to process over £25,000 in a single event.

Duties:

- Lead daily stand up meetings.
- Written and verbal communication with key clients to identify changes.
- I play a key role in upholding coding conventions, guiding and tutoring more junior developers to ensure a consistent output.
- Research, design and implement best practise solutions for new problems that arise.
- Standardised documentation to make sure all products have the same format and correct level of technical detail.

Security Icon LTD. - **Software Developer**   **March 2013 – September 2014**

Website: https://www.securityicon.com/ **Location:** London

I worked as part of a small team of developers to bring bespoke enterprise level products to global customers. Responsibilities included; reporting project statuses to managers, providing technical support to clients and writing documentation for each project. My responsibilities quickly expanded which resulted in a promotion to Lead Developer.

Achievements

- **Log Collection** - A cross platform, multi-threaded server and client software which reduces and stores log information from a variety of sources.
- **File Monitoring –** A cross platform solution that monitors the integrity of files, using hashing algorithms to form a chain of trust on check sum files.
- **File Filter** – A windows driver that can read the header information of files read/written on the disk, which would allow the blocking of files based on pre-determined rules.

Duties

- Participated in daily stand up meetings.
- Reported progress on jobs and projects assigned to me.
- Collected feedback from clients and internal staff to help shape future project developments.

Freelance   – **Software Developer**   **January 2010 – March 2013**

Worked for a wide variety of clients of various sizes, helped flesh out plans and ideas, whilst making sure to steer away from feature creep in favour of making sure deadlines were met.

Achievements

- **Wordpress** - Worked on a variety of Wordpress websites fixing complicated bugs with simple and elegant solutions as well as liaising with a variety of customers and businesses on behalf of my clients. Integrated 3rd party plug-ins and managed the installation of customer websites on numerous large hosting providers.
- **Windows Kiosk Application** – A C++ application which turned a standard windows installation into a kiosk, whilst allowing administrators to access core configuration functionality on the system.
- **Secure File Storage** – An encryption application allowing clients to securely store their files remotely and share them with a 3rd party using strong public key encryption.

References available on request.