

# David Hall

## Full Stack Developer

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### 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

Black cow technology - **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.

Kashing! LTD. - **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.**