

## Objective

Experienced and accomplished full stack software developer with 5 years of experience looking to leverage experience building and maintaining large scale, high TPS, complex services and websites systems to build new innovative and exciting systems in a full stack or backend engineering role.

## Work Experience

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<b>Software Development Engineer</b>	<b>Amazon Development Centre London</b>	<b>February 2016 — Present</b>
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### Video Commerce Experience Clients Team

- Responsible for the UI and client experience for the Prime sign up funnels on web, mobile web and big screen devices.
- Designed, implemented and released an updated FireTV signup experience including payment entry. Testing saw a 90% increase in target customer conversion rates, forecasting to \$58MM additional revenue for the year across all Prime Video Subscription Video on Demand (SVOD).
- During the 2018 year, ViCE UI had 440MM distinct impressions on web, over 265MM distinct impressions on mobile apps, and over 32MM distinct impressions on big screen devices worldwide.
- Designed, implemented and released an updated FireTV signup experience including payment entry. Testing saw a 90% increase in target customer conversion rates, forecasting to \$58MM additional revenue for the year across all Prime Video Subscription Video on Demand (SVOD).
- Completed a total rewrite of the web, mobile web, and webview experienced from a fully Perl Mason monolithic stack to a ReactJS widgetized solution.
- Experience with on-call work and out-of-hours live site issue support including low SLA pager response responsibilities.

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<b>Software Development Engineer</b>	<b>Amazon Development Centre London</b>	<b>September 2014 — Feb 2016</b>
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### LOVEFiLM Disks ByPost Clients Team

- Responsible for the LOVEFiLM DVD and BluRay disk rental UI and clients including web and mobile applications.
- Implemented a custom customer authentication integration for the ByPost mobile app based in Apache Cordova.
- Implemented the subscription creation and LOVEFiLM to Amazon Video subscription migration systems. (Java, SpringMVC)
- Responsibilities included maintaining and expanding the customer interaction website including rental list management, details page, and account management page. (Perl Mason, SCSS, JS)

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<b>Software Development Engineer, Intern</b>	<b>Amazon Development Centre London</b>	<b>June 2013 — August 2013</b>
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### Digital Video Website Playback Team

- Implemented an internal web tool in Java Spark framework to allow for tracking of issues and learning resources.
- Implemented the first desktop iteration of the Amazon Video XRay feature on the Silverlight website player, while ensuring minimal impact on CPU usage and playback experience. (C#, XHTML)

## Education

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<b>Software Engineering</b>	<b>Durham University</b>	<b>October 2011 — July 2014</b>
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- Classification: 2:1.
- Thesis: "Efficiently visualising the state of cellular automata using Conway's Game of Life." Efficiently run and render a Conway's Game of Life with an infinitely sized board with on the fly rule set adjustments using large scale parallelization.

## Languages, Technologies & Skills

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- *Languages:* Java, Python (scripting), C#, C++ (minor experience)
  - *Web Technologies:* HTML5, CSS & SASS, Javascript (ES6, TypeScript), Node.js, ReactJS
  - *Services Technologies:* Java SpringMVC, RESTful Java service creation
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