

# JAMES REAVER

SOFTWARE ENGINEER

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## EXPERIENCE

**SOFTWARE ENGINEER III** 2022-  
J.P. Morgan, London

- Engineering the service responsible for processing Visa/Mastercard **payment authorisations**, and the issuance and lifecycle of debit and credit cards.
- Built and **launched the Rewards** proposition for Chase customers, allowing them to earn 1% of everyday debit card spending as cash-back.
- 'Strong' in all 2023 performance dimensions.

**SOFTWARE ENGINEER** 2020-22  
Amazon, London

- Replaced a service which 30k Amazon employees use every day to make **thousands contributions** to the world's largest product catalog..
- 2020 Amazon Hackathon London winner.

**FULL STACK DEVELOPER** 2018-20  
10 Downing St, London

- Designed, implemented and security-tested mission-critical **GOV.UK platforms** that support public sector communications and campaigns.
- 2018 'Skilled People of Cabinet Office' Award.

## ACHIEVEMENTS

**SINGLE SIGN-ON SYSTEM** 2019-20

- Engineered a cross-government sign-on service from the ground up around the OpenID protocol.
- Granted over 6,000 members of 300 government departments access to internal sites securely.

**HYPE FRAMEWORK** 2018

- Published a web framework to perform continuous A/B experiments on live applications, validating the assumptions through tangible site metrics.
- Hype offers version control integration, real-time statistics and fully-automatic cloud deployment.

**FIRMAMENT.SPACE** 2016

- Created Firmament, to render the constellations of the night sky based on location and in real-time.
- Runner up in the IBM Group Project prize.

## EDUCATION

**IMPERIAL COLLEGE, LONDON** 2014-18

- MEng Computer Engineering. Dean's List, 1<sup>st</sup> class.
- Modules include Large-scale Databases, Operating Systems, Software Reliability, Compilers, Networks and Web Security, Scalable Distributed Systems.
- 'Best Project of the Year' by the Pi Foundation for a Raspberry Pi implementation of the game of Pong.

**ST. DAVID'S COLLEGE, CARDIFF** 2012-14

- Mathematics (A\*), Further Maths (A), Physics (A). Gold award in the Senior Mathematical Challenge.

## TECH SKILLS

### LANGUAGES AND FRAMEWORKS

- Kotlin, Java (Spring, Guice, Reactor), JavaScript (Node, React, Redux, Express), PHP (Laravel).
- Python, C/C++, Haskell. SQL, Neo4j.

### CLOUD DEPLOYMENT

- Docker, Deployer, Google Cloud, Kubernetes, AWS (EC2, DynamoDB, Lambda, CloudWatch).

### METHODOLOGIES

- CI/CD and Scrum advocate, Hypothesis and Test Driven Development, Unit (Mocha, PHPUnit and JUnit) and E2E testing (Selenium, Cypress).

## INTERESTS

**THEATRE PLAY-WRITING** 2020-

- Incredibly passionate consumer and producer of theatre plays (and radio shows) in my spare time.

**LEARN-TO-CODE CLUB** 2019

- Kick-started a series of classes for colleagues new to coding, resulting in over ten first sites launched.

**COMPUTING TEACHER** 2018

- Taught GCSE Comp Sci, with all pupils succeeding at exams and becoming passionate about coding.