

# JOHN PHAM CV

📍 London, United Kingdom  
📄 Solutions Architect, Software Engineer & Certified Cloud Architect

✉ contact@johnpham.co.uk  
🌐 linkedin.com/in/jdcpham  
🌐 johnpham.co.uk  
📞 +44 (0) 7546 605 701

## 📦 TECHNICAL SKILLS

<u>TYPESCRIPT</u>	<u>6 YEARS</u>	<u>PYTHON</u>	<u>5 YEARS</u>	<u>SCALA</u>	<u>1 YEAR</u>	<u>RESTFUL APIS</u>	<u>4 YEARS</u>
<u>ANGULAR</u>	<u>4 YEARS</u>	<u>JAVA</u>	<u>5 YEARS</u>	<u>AWS</u>	<u>4 YEARS</u>	<u>AZURE DEVOPS</u>	<u>2 YEARS</u>
<u>HTML &amp; CSS</u>	<u>8 YEARS</u>	<u>SQL</u>	<u>4 YEARS</u>	<u>GCP</u>	<u>1 YEAR</u>	<u>AGILE</u>	<u>5 YEARS</u>
<u>REACT</u>	<u>4 YEARS</u>	<u>C++</u>	<u>2 YEARS</u>	<u>GIT</u>	<u>5 YEARS</u>	<u>ADOBE SUITE</u>	<u>5 YEARS</u>

## 📦 EXPERIENCE

- **SENIOR SOFTWARE ENGINEER** Bloomberg SEPTEMBER 2022 *to* PRESENT
  - Chair of the Bloomberg Community Stability Working Group, covering MSG (Bloomberg Email) and IB (Instant Bloomberg Chat).
  - Part of IB <GO>, a premier financial chat, whose role is critical in connecting buy and sell-side firms, to move global financial markets.
  - Implemented and delivered Content Previews to IB, allowing users to see a preview of images, files and web-links prior to explicitly opening them.
  - Owning various features of the Bloomberg Terminal, including the Emoji infrastructure which is used for IB <GO>, MSG <GO> and NOTE <GO>.
  - Speaker at the Bloomberg Developer Conference 2024 on the topic of 'How to Safely Multi-Thread Your C++ Service'
- **SOLUTIONS ARCHITECT** Claro Money NOVEMBER 2021 *to* SEPTEMBER 2022
  - Led the overall technical end-to-end implementation of Claro Money, an award-winning financial planning and investments platform hosted on AWS.
  - Developed, managed and maintained AWS environments, ensuring the observation of best practices & leading the Well-Architected Framework review program.
  - Architected key workflows, advocating for and designing them as small, de-coupled, fault-tolerant and serverless (micro-service) components.
  - Acted as the first point-of-contact for key technical vendors, including Salesforce (CRM), Bud (open-banking), Vanguard (investments), Vitality (insurance) etc.
  - Authored detailed technical implementation tickets, serving as the sole conduit between a team of eleven developers, and six product managers.
- **TECHNICAL BUSINESS MANAGER** HSBC AUGUST 2020 *to* NOVEMBER 2021
  - Role based in the HSBC Technology Chief Operating Office, responsible for the oversight of global technology budgets, including 500+ UK-based programmes.
  - Managed the flow of \$1.4bn worth of internal billing charges to HSBC UK (ring-fenced bank), involving heavy collaboration with senior business stakeholders.
  - Identified and challenged just under \$900m in proposed charges, ultimately leading to an estimated savings for the UK ring-fenced bank of \$98.5m.
  - Lead technical architect and member of the 'Future Of Work' working group. Involved in designing and the requirements engineering of a data-driven dashboard.
  - Won the HSBC Global Hackathon (2020/21), leading a team of 5 on a project called 'MAJYK' – a social-investments platform, powered by React, Python & AWS.
- **FULL STACK ENGINEER** Finatext MAY 2019 *to* AUGUST 2020
  - Played a leading role in designing, architecting and building the front/back-end for a multi-currency cash card system for both retail and corporate use.
  - Reviewed an existing travel cash business, re-designing the front-end and migrating the use of server-heavy PHP code to a serverless cloud architecture.
  - Proposed and led the transition of traditional server-based back-end designs to 'serverless' architectures as now widely available on popular cloud platforms.
  - Liased directly with external fintech vendors such as Worldpay, Railsbank, Starling, transforming business-led strategies and objectives to tech-based solutions.
  - Built customer-facing and back-office portals for a range of retail/corporate financial services, including a new (NDA-protected) online-based banking system.
- **EMBEDDED SOFTWARE ENGINEER** GE Aerospace JUNE 2018 *to* MAY 2019
  - Developed 'data loader' program sitting on the 'Propeller Electronic Controller' of AVIC's Xian MA700 twin turbo-prop aircraft currently due for flight in 2022.
  - Responsible for the development of software in relatively low-level languages such as C in accordance to strict industry-regulations such as DO-178B.
  - Maintained and performed high-level testing on the GenISIS Stand-by Flight Display Unit for the F35 aircraft, with successful deliveries of 100+ units to Boeing.
  - Allocated as the Intern Software Development team 'scrum master', managing the workload of 5 FTEs and reporting directly to senior management on progress.
  - Maintained and performed high-level testing on the GenISIS Stand-by Flight Display Unit for the F35 aircraft, with successful deliveries of 100+ units to Boeing.

## 📄 EDUCATION

- **COMPUTER SCIENCE BSc (HONS)** King's College London SEPTEMBER 2016 *to* AUGUST 2020
  - Graduated in August 2020 with a First Class (1:1) Honours degree. Dissertation: Congestion in TCP networks and implementation of alleviation algorithms.
  - 1st year modules include: Elementary Logic (93%), Data Structures (93%), Artificial Intelligence (90%), Database Systems (86%).
  - 2nd year modules include: Foundations of Computing (97%), Operating Systems & Concurrency (89%), Programming Languages & Paradigms (90%).
  - Recipient of a monetary award from 'Roche Pharmaceuticals' following the submission of a video essay detailing potential solutions for the climate emergency.

## RECENT PROJECTS

- MAJYK HSBC** SEPTEMBER 2020
  - Completed as part of a three-week long hackathon run by HSBC, AWS, Google, Onova, and more, with over 600+ graduates participating. Project won first place.
  - Led a team of 5 graduates, building a peer-to-peer rewards system from social events to help members of Generation Z with the negative impacts of Covid-19.
- PROGRAMMING LANGUAGE COMPILER** King's College London MAY 2020
  - Built a lightweight compiler to lex, tokenise, compile and run and custom programming language as part of project by King's College London.
  - Wrote a Scala-based program to parse and compile plain-text in a manner as inspired by the stack-based Java Virtual Machine (JVM).
- TRAVEL FX** Finatext APRIL 2019
  - Performed an in-depth analysis into a legacy version of the Travel FX customer-facing website, assisting with the design of a new website.
  - Built and tested a responsive, fast, and intuitive website in Angular in 8 weeks, integrating seamlessly with an outdated back-end system written in PHP.

## OTHER EXPERIENCE

- PRODUCTION TECHNICIAN** Various JUNE 2017 to APRIL 2022
  - Provision of lighting, sound and video design/operation services to various external clients such as Underbelly Festival, Royal Academy of Music and more.
  - Organised several events, including the 13th edition of our annual flagship careers and networking event with an expected attendance of 200 people.
- MARKETING & PR CO-ORDINATOR** London Legacy Development Corporation APRIL 2014 to JUNE 2014
  - Assisted with the implementation of web-based analytic tools such as Google Analytics and Mixpanel.
  - Took a leading role in helping shape the social media strategy adopted by the Olympic Park, creating video and imagery for use by the wider team.

## AWARDS & CERTIFICATIONS

<b>MACHINE LEARNING</b> Stanford University	<b>JANUARY 2021</b>	<b>AWS CLOUD PRACTITIONER</b> Amazon Web Services	<b>APRIL 2019</b>
<b>AGILE SCRUM FOUNDATIONS</b> Scrum Alliance	<b>SEPTEMBER 2019</b>	<b>THE ONLINE MARKETING FUNDAMENTALS</b> Google	<b>SEPTEMBER 2017</b>
<b>KING'S LEADERSHIP AWARD</b> King's College London	<b>AUGUST 2017</b>	<b>ROCHE SCHOLARSHIP</b> Roche Pharmaceuticals	<b>AUGUST 2017</b>

## HOBBIES & INTERESTS

### LIGHTING DESIGN

I design and operate the lighting for various small to medium-scale plays, operas and musicals. I have won two awards in recognition of my work.

### MUSIC

I listen to variety of music and attend concerts frequently. I was classically trained on the piano at the Royal Academy of Music and left with Grade 8.

### GRAPHIC DESIGN

I've been using Adobe Illustrator, and Photoshop for many years. I am a strong believer that design has a strong impact on the end-user experience.

### CODING

I explore new and unconventional technologies, languages and libraries in my free time, most recently, exploring the creative power of Processing and P5.js.

### CINEMATOGRAPHY

I frequently film event and wedding videos, music videos and vlogs. I'm fascinated by story-telling via camera movements, and techniques.

### CYCLING

Cycling is my preferred mode of transport. I have taken part in various cycling events, one of which was a week-long cycling tour with my friends in Mallorca.

## LANGUAGES

<b>ENGLISH</b> Fluent	<b>VIETNAMESE</b> Conversational
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## REFERENCES

AVAILABLE UPON REQUEST

## VISA STATUS

RIGHT TO WORK IN THE UK | NO SPONSORSHIP REQUIRED