

# Petar Vasilev

Senior Software Engineer

[petar@flutterbit.com](mailto:petar@flutterbit.com)

+44 77 069 29 120

+49 1575 4873682

<https://www.linkedin.com/in/petarvv>

## PROFILE

Driven **FULL-STACK SOFTWARE ENGINEER** with 10+ years of broad experience. I specialise in scalable **Web Applications** and **Video Streaming solutions**. I understand a **wide array of technologies**, how to work well in an agile team and drive innovation. I know how to advocate for and implement scalable development processes and deliver a project from an idea to production.

## HIGHLIGHTS

- Led a cross-cutting initiative of multiple teams to deliver a project that secured customer retention.
- Introduced a new DevOps pipeline and Automated Testing that reduced development time by half.
- Introduced streaming protocols and technologies to the project that greatly expanded the number of clients and supported devices, creating the most widely supported platform.
- Engineered the largest news analytics platform in the country. Cut down on many hours of manual labour. Delivered the essential stages months ahead of time and below budget requirements.

## WORK EXPERIENCE

### Sr. Software Engineering Consultant >> FlutterBit

<https://flutterbit.com/>

April 2023 - Present

I provide technical leadership, strategic advice and software engineering solutions for startups and SMEs across the UK, EU and USA. I do rapid prototyping and provide technical expertise on different topics.

**Node.js, JS/TS, GraphQL, Python, React/Next.js, Java/Kotlin, Android, Ruby, Docker, Cypress, AWS, LLMs**

### Sr. Software Engineer >> Addepar

<https://addepar.com/>

July 2022 - April 2023

Addepar is a wealth management platform with many integrations with data sources and other firms. I worked as part of a US-based and an India-based team. My work included:

- Drove an initiative to overhaul an integration centre following the company's new product language.
- Investigated and proposed technical solutions for creating a no-code pipeline in Temporal for sunseting legacy Python and Jenkins-based ETL scripts.
- Explored loading large amounts of data to Salesforce firms without hitting API limitations.
- Promoted better development practices and processes, paired with and helped Junior Engineers.

**Java, Node.js, JS/TS, MySQL, AWS, Quarkus, Python, Ember.js, Temporal, Salesforce, LWC**

### Software Engineer >> UserTesting

<https://www.usertesting.com/>

September 2019 - July 2022

UserTesting is a research platform that allows people to record their experiences interacting with a product and share that feedback with customers. I drove an initiative to deliver a video streaming solution from the technical aspects. I worked mostly on a video recording application that has a React/Redux Typescript front-end and a GO backend.

- Led a multi-team initiative to help retain large customer contracts.
- Enhanced the streaming architecture through various investigative work and spiking.
- Drove and delivered most of the work of stabilizing and improving our current-generation software, enabling us to move to develop the next-gen and removing many pain points for our user base.
- Mentored engineers and improved team collaboration.

**JS/TS, Golang, React/Redux, WebRTC, GraphQL, RTMP, FFmpeg, Cypress, Redis, Docker, AWS, Ruby**

### Hiring Consultant >> Strings IT Recruitment

<https://pullthestrings.me/>

June 2021 - November 2021

Strings IT Recruitment is a company that does holistic candidate profiling. I worked as an external Full-stack specialist who evaluated the candidate's technical abilities and seniority to find the most suitable role.

## **Full-stack Engineer >> Streamer.BG by ESOF.BG**

<https://streamer.bg>, <https://esof.net>

**December 2015 - September 2019**

ESOF.BG is a software and IT consultancy that has many customers across Europe. The company also has an in-house project that provides online streaming services on a bespoke video platform with an extensible video player. Closely working with the CTO, I was the Lead Engineer and product owner of the platform's award-winning online video player.

- Enabled us to target a much larger user base and increase sales by backporting streaming technologies to non-supported browsers that lack MSE with JavaScript.
- Engineered the architecture of the software that allowed the product to be scalable and easily integrated with our customers' platforms.
- Drove an initiative to improve the testing pipeline and introduced processes. Developed internal tools to cut down time-to-market and increase quality.
- Also worked on multiple other projects and initiatives for the consultancy's customers with a plethora of technologies

**Node.js, Java, Python, DevOps, MSE, AS3 and Flash, H.264, MPEG, C#, C/++, Nginx, Bash, Jenkins, UNIX, Cypress, HLS, RTMP, and WebRTC, Vmix, OBS.**

## **Senior Software Development Consultant >> CloudFaces GmbH**

<https://cloudfaces.io/>

**November 2015 - April 2016**

CloudFaces is a SaaS platform that allows customers to create custom mobile applications using a WordPress-like CMS. My role was to evaluate the company's current tech stack and generate reports with recommendations for improvement. I was also involved in the company's R&D effort.

- Created a PoC platform that generates a single mobile app for the major mobile platforms - Android, iOS, and Windows Phone. This allowed for a reduced time-to-market.
- Advised the team on best development practices, testing, and deployment.

**IOS, Java, Android, Windows Phone, React, Swift, JavaScript, PHP, Cordova, PhoneGap, Telerik Nativescript, WordPress**

## **Lead Software Engineer >> Content Plus Ltd.**

<http://compassbg.bg/>

**September 2011 - September 2015**

The product "Compass" was the first news aggregation and analysis platform of its scale in the country. It provides categorized news and digests to customers. I worked as a Lead Engineer and Product Owner. I designed and implemented most of the system from the ground up.

- My close collaboration with the customer and the tight feedback cycle enabled us to deliver significantly below budget and on time.
- Introduced a novel Machine Learning approach to training our models without a prior data corpus. That approach cut the analysis time from a day to mere minutes.
- Implemented internal tools that solved common problems and cut engineering support and costs.
- Facilitated several employee training sessions to enable the team to work with the tools, understand and interpret the algorithm's behaviour and apply corrections.

**Java EE, Hibernate, SQL, JS, PHP, Matlab, Groovy, Statistical analysis, Machine Learning, Swing, OpenCL/CUDA, Spring, Jetty, Rhino, CometD, SPDY, Windows Server management**

## **EDUCATION**

### **University of Edinburgh**

#### **Artificial Intelligence and Software Engineering (BEng. Hons)**

- Industry-sponsored Dissertation on Distributed computation systems for video processing using AI
- Received the Edinburgh Award for career accomplishments

## **ADDITIONAL INFORMATION**

- Permanent Residence Status and Right to Work in the UK
- Right to Work within the European Union
- B1/B2 Business Visa for the United States of America