

MAX BEHRENS BSc, PGDE

130 Portelet Road, Liverpool, L13 6SG

Mobile: 07513 944101, Email: maxdbehrens@gmail.com · [linkedin.com](https://www.linkedin.com) · maxbehrens.com

I am a software developer from Liverpool, experienced in creating dynamic websites for insurance and multinational companies such as Aviva with iCede. I specialize in back-end development with PHP, working with Symfony, Yii, and Laravel frameworks, while also leveraging front-end technologies like Vue.js, Inertia.js, and JQuery to create responsive user interfaces. With strong experience using MySQL for data storage and querying, I am also proficient with AWS & Laravel Forge for hosting live projects, Docker for local development environments, and integrating services like Nginx and Redis for seamless application performance.

My expertise extends to deploying PHP applications in cloud environments, managing CI/CD pipelines for streamlined deployments, and balancing scalability with cost-efficient solutions such as AWS Lambda and DigitalOcean droplets. In one of my personal projects, I utilized AWS Lambda to integrate with external APIs like OpenAI and weather forecast services, streamlining communication between them. Additionally, I implemented a headless integration to fetch data from an external Shopify store and display it within my Laravel portal, enhancing the functionality of the platform with e-commerce data.

I am particularly skilled at working with HTML5, CSS, JavaScript, and GitHub workflows, ensuring cross-browser/device compatibility for seamless user experiences. Though my primary focus has been on PHP, I am eager to further enhance my knowledge of Liquid templating to build and customize Shopify-based e-commerce solutions.

I have also taught GCSE and A-Level students, which has helped me hone my ability to explain complex technical concepts to diverse audiences, a skill I apply in collaborating with teams and clients.

EXPERIENCE

DEC 2024 - JAN 2025

SOFTWARE DEVELOPER SWIFTCASE

During this month long short term role, I helped to develop a new Symfony 7 application in a team, incorporating openAI API requests along with other external APIs to send and retrieve company information hosted on different platforms.

JAN 2023 - DEC 2024

SOFTWARE DEVELOPER ICEDE SOLUTIONS Ltd

I worked on the central website in PHP Laravel, Yii and JS, made for insurance company clients, such as Aviva, to manage their internal data with. I have implemented features, like new pages to differently query company data into reports; as well as fixing erroneous behaviour by simplifying code processes for sustainability when handling software upscaling.

JUL 2022 – JAN 2023

WEBSITE DEVELOPER IGNIS TECHNOLOGIES

In PHP Laravel frameworks with installed Mix dependencies, I used PHP, JS and SCSS with HTML and Laravel Forge to create new landing sites and help develop the company's bespoke client data management software.

JUL 2021 – JUL-2022

JUNIOR SOFTWARE DEVELOPER VERVE DIGITAL

Utilising PHP and MySQL along with JS and CSS, I created ecommerce website frameworks; allowing transport administration companies using our systems to more easily manage their appointments and company data.

SEPT 2020 – JUL 2021

MATHEMATICS AND COMPUTER SCIENCE TEACHER LIVERPOOL HOPE UNIVERSITY/ UTC WARRINGTON

During the course my work has involved supervising, planning and conducting classes from years 10 to 13, specifically teaching Maths at GCSE and A-Level, as well as BTEC computer science.

NOV 2017 – NOV 2020

PRIVATE TUTOR LIVERPOOL ACADEMY INTERNATIONAL

Mathematics, computer science, physics and chemistry tutor at Academy International private tutoring agency, teaching classes with students studying from GCSE to A-level; I also developed a CRM for the company in PHP Laravel with MySQL.

EDUCATION

SEPT 2021 – JAN 2023

MSC IN EDUCATIONAL RESEARCH LIVERPOOL HOPE UNIVERSITY

Researching the impacts across UK schools of teaching group based problem solving exercises in maths lessons, versus more traditional strategies of exam formatted questioning.

SEPT 2020 – JUL 2021

POST GRADUATE DIPLOMA OF EDUCATION IN FURTHER EDUCATION LIVERPOOL HOPE UNIVERSITY (MERIT)

I have taught Maths, Physics & Computer Science GCSE and A-Level across Merseyside for my teacher training course with Liverpool Hope University.

SEPT 2017 – JUL 2020

MATHEMATICS AND COMPUTER SCIENCE BSC (JOINT HONOURS) UNIVERSITY OF LIVERPOOL (SECOND CLASS HONOURS)

My degree has taught me to handle data and process computations efficiently; completing projects in multiple programming languages and development kits such as Flutter and React. I have utilized software such as MATLAB to interpret dynamical systems and populations.

JUN 2017

GCE A- LEVELS, PRINCE HENRY'S GRAMMAR SCHOOL, OTLEY

Mathematics, Chemistry, Physics, Further Maths and Economics (AS).

JUN 2015

GCSEs, PRINCE HENRY'S GRAMMAR SCHOOL, OTLEY

A/A* grades in 12 subjects, including Maths, English, Triple Science, French, German, History.

SKILLS

- Web development with PHP Symfony, Yii, Laravel, Vue.JS
- Using Git & BitBucket Version Control to manage project branches.
- Maintaining codebases and managing AWS server deployment
- Relational Database development in MySQL.
- Data visualization, Tableau, Power BI.
- Maths and computer science teaching experience.
- Mathematical Modelling, MATLAB and R Studio.

ACTIVITIES

I was a participant in an international scheme organized by the Leeds Development Education Centre, where I was able to meet students from across the continent to discuss climate change issues.

I was a singer, guitarist and pianist for three bands, one of which came first place in a charity competition while I was in school.

REFERENCES

Available on request