

MAX BEHRENS BSc, PGDE

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I am a software developer from Liverpool, creating data management websites for insurance and administrating company multinationals.

I specialise in programming with PHP Laravel frameworks with TypeScript, Vue.JS and JQuery, using MySQL to save and query data; AWS & Laravel Forge to host live projects, and Docker to contain and work on projects locally.

My strengths lie in code maintainability when updating dependencies and company practices, specifically in optimising website file transactions through writing efficient and reusable code that remains sustainable in scalable systems. My GCSE and A-Level teaching experience has taught me how to convey computational and data handling concepts to students of different ages.

EXPERIENCE

JAN 2023 - PRESENT

SOFTWARE DEVELOPER ICEDE SOLUTIONS Ltd

At iCede I have worked on both the central website in PHP Laravel, Yii and JS, as well as the external api sites all 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.

During my degree I developed an online management database for Liverpool Academy International using a PHP framework with MySQL, which gave them a new, more efficient and accessible way to view and manage and query their company's data; like viewing contact information and class schedules.

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 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 enjoy song production and arrangement for personal projects and in collaboration with colleagues, and love to write music and compile effects with analogue and digital instruments.

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.