Evelyn Valenzuela

Software Engineer / Quantexa Engineer
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LinkedIn profile
GitHub profile

A bilingual Software Engineer with a passion for science and technology. After graduating in Biology, I worked in research performing analysis with specialist biological software to solve real-world problems. Excited to work as part of a team and gain experience while creating user-friendly products for clients using best practices. A dedicated professional, who thrives in an agile environment, I am looking to take on new challenges and grow as a developer.

QUALIFICATIONS

- **Quantexa Engineer Training Programme (in-progress):**
  - Perform standard data activities involved in the process of deploying the Quantexa platform, including the use of the Quantexa libraries and configuration of Quantexa tools.
- **Xander Academy Training:**
  - JavaScript, HTML5, CSS3, React, Python, Django REST Framework.
  - Version control: Git, GitHub.
  - Agile Methodologies.
- **Diploma in Software Development bootcamp:** Just IT
  - Technical training in JavaScript, HTML5, CSS3, Bootstrap, Python, Flask, MySQL. Developing projects using both front-end and back-end technologies and personal portfolio.
- **BSc Biology degree (2:1):** Pontifical Catholic University of Valparaiso, Chile.
  - Biology degree with evolutionary biology specialization. Developing analytical, critical thinking and problem-solving skills. Gaining verbal and written communications abilities through extensive scientific research presentations. Teamwork and collaboration skills when conducting fieldwork.

PROFESSIONAL EXPERIENCE

Software Engineer Consultant, Xander Talent (February 2023 – present):
- Currently, training to become a Quantexa Certified Data Engineer to take part of decision taking projects with clients.

Science Technician, Emanuel School (October 2020 – August 2022):
- Responsible for overseeing laboratory to deliver biology experiments for GCSE and A-level students.
- Coordinating practical lessons for teachers and explaining how to use technical equipment.
- Designing and tweaking experiments to ensure they ran smoothly and gave reliable results.

Research Assistant, Pontifical Catholic University of Valparaiso, Chile (July 2016 – December 2019):
- Performing laboratory analyses (e.g., DNA extraction, PCR) and bioinformatics analyses (e.g., editing and aligning DNA sequences, building gene trees, species delimitation) to gain insights and validate hypotheses.
- Participating in fieldwork: identifying, collecting, and taking samples from specimens.
- Maintaining databases with records of samples to facilitate analysis.

XANDER ACADEMY TRAINING

Consulting Skills
- Learned about stakeholder mapping, gap and PESTLE analysis as well as RAID reporting.
- Learned to coordinate both the project and consulting ecosystem with fundamental exposure to key topics like, Agile, Business Analyses and Project Lifecycle.
- Developed my active listening, relationship building and problem-solving skills through workshops, social enterprise projects.

- Constructed real project current and future states analyses used to create a workflow to address the business needs.

Technical Specialism
- JavaScript/React/HTML5/CSS3: Using popular modern front-end framework React for building user-friendly websites and applications implementing semantic HTML and responsive design using CSS. Fetching and manipulating data using from APIs to create dynamic content.
- Python: Developing software to perform tasks such as data analysis, web scrapping, file reading/writing, data fetching using APIs. Using libraries such as sqlite3 that allows interacting with databases and unittest for writing and running tests.
- SQL: Creating relational databases using MySQL and performing data analysis.
- Experience in Software Development Life Cycle using agile methodologies using sprint method for project development.

XANDER PROJECT EXPERIENCE

E-commerce web application (April 2023):
- Full Stack multi-page website using React with Vite to create a dynamic and user-friendly interface and Django REST Framework to create a REST API.
- My duties included developing the user interface and creating dynamic data as well as setting up React routes. As a front-end team leader, I was responsible for assigning tasks in accordance with team members strengths and resolving conflicts on GitHub.

Growing Opportunities International Social Enterprise (March 2023 – April 2023):
- Using different types of business analysis tools, we developed a roadmap to improve some of the weaknesses identified of a non-profit organisation GO! Designed new GO! website with successful deployment and boosted social media presence to raise awareness about their work on East Africa.

Tip Calculator (March 2023):
- Developing a tip calculator application using JavaScript, CSS, and HTML. Project Requirement were viewing the optimal layout for the app depending on their device's screen size, implementing hover states for all interactive elements on the page and calculate the correct tip and total cost of the bill per person.

IP Address Tracker (May 2023):
- Developing an IP Address Tracker app using JavaScript, CSS, and HTML using two separate APIs together. To get the IP Address locations and generate the map, IP Geolocation API by IPify and LeafletJS were used respectively. Users can view the optimal layout depending on their device's screen size, see their own IP Address on the map on the initial page load, search for any IP addresses and see the key information and location.