James Zhao
Junior Software Developer | Technology
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PERSONAL SUMMARY

Passionate and detail-oriented software developer with experience in full-stack development, testing, and code reviewing. Skilled in troubleshooting, debugging, and optimising applications to enhance performance and user experience. Possesses a problem-solving mindset and a commitment to delivering high-quality applications while continuously learning new technologies in fast-paced environments.

TECHNICAL SKILL

- **Front End**: React, TypeScript, JavaScript, jQuery, AJAX, HTML, CSS, Bootstrap
- **Back End**: Java, Python, Django, Node.js, Express.js, MERN Stack, RESTful API
- **Testing & Debugging**: Postman, Chrome DevTools, troubleshooting, performance optimisation
- **Data & Reporting**: Qlik Sense, Qlik View, PostgreSQL, MongoDB
- **Others**: AWS, Linux, Windows, Git version control, responsive design

PROFESSIONAL EXPERIENCE

Graduate Developer   Oct 2024 - Feb 2025
Boon Solutions   Perth, Australia
- Developed a demo app in Qlik Cloud by scrambling data extrated from an existing application, recreating tables from scratch and modifying the UI; generated reports using the Excel add-in to showcase key functionalities
- Migrated applications from QlikView to Qlik Sense; updated data models, modified the front-end UI, and cross-checked extracted data to ensure accuracy and consistency
- Modified and maintained the Excel mapping file to ensure accurate table and field names in QVD files extracted from Pronto; improved data integrity based on requirements from the client
- Acquired profound insights into the ETL process, troubleshooting, and problem-solving while collaborating with team members to ensure timely and high-quality project delivery

Technical Consultant   Aug 2021 - Oct 2023
Shinyway Education   Beijing, China
- Collaborated with cross-functional teams to design and develop website features using React and Bootstrap, improving UI consistency, performance and brand image
- Analysed and visualise data on admission rates at various universities to create proper application strategies tailored to individual clients, thereby improving their chances of acceptance
- Automated workflows and managed task prioritisation using project management tools, ensuring efficient handling of multiple applications and visa processes
- Served over 350 clients, understanding their educational and career goals, and provided application advice based on the academic background, interests, and preferences of clients

Support Engineer   Sept 2018 - Jun 2019
Master Structural Design Corporation   Beijing, China
- Provided technical support and troubleshooting for MIDAS structural design software, assisting in installation, testing, and performance evaluation.
- Diagnosed and resolved customer issues regarding software features and performance, generating data-driven reports to showcase advantages and improvements.
- Participated in structural design and analysis, using AutoCAD and engineering software to assess the stability and durability of structures.
- Improved documentation quality by formulating and reviewing floor plans and reinforcement designs, ensuring compliance with safety standards

SOFTWARE DEVELOPMENT EXPERIENCE

NetMall | Django REST Framework, PostgreSQL   Apr 2024 - May 2024
- Developed a robust multi-vendor e-commerce platform using Django REST Framework; leveraged React for front end development, Python for back end development and PostgreSQL as the database

- Enabled each user to act as both a buyer and a seller; users can list, edit and delete products and purchase items listed by other users; the filter bar allowed users to find specific items
- Utilised Redux to implement authentication features, including registration, login, email verification and resetting password; applied AWS S3 bucket to store images
- Acquired thorough familiarity with the development and deployment of projects based on Django REST Framework, as well as the manipulation of PostgreSQL

Travel WikkiMedia | MERN Stack   Mar 2024 - Apr 2024
- Led a team of four members to complete a well-designed MERN stack project; fulfiled a series of features, including blog creating, picture sharing, commenting, and profile editing
- Independently completed crud features that enabled users to view, create, delete, and edit blogs and profiles; assisted teammates in fulfiling crud operations for comment and gallery
- Consumed Rest Countries and Mapbox APIs that provided users with up-to-date geographical information and exceptional user experiences
- Organised brainstorming meetings, collected innovative ideas, and assigned various tasks to team members based on group objectives and individual skills
- Worked collaboratively with teammates, regularly integrating the latest progress on GitHub, gaining valuable experience in teamwork and further developing communication skills

Plant Diary | Express.js   Mar 2024 - Mar 2024
- Independently utilised Express and jQuery to develop a plant diary app featured by AJAX-based crud operations; allowed users to add, delete and edit a bunch of information, including recently bought plants, plant details and diaries
- Self-learned AJAX and designed inline editing functionality for each part of the app, which enabled users to edit the content based on previous content without redirecting to a new page
- Applied MongoDB to store data; used appropriate routes, controllers and models to communicate client side and the server; fulfilled Google and Facebook authentications for logging in to the app
- Designed background-changing features to allow users to customise their pages; leveraged Bootstrap to conduct responsive design and user interface optimisation

Roulette Game | React, Chart.js   Feb 2024 - Mar 2024
- Created a roulette with React; leveraged virtual DOM manipulation to fulfil multiple world-world-based features, including placing chips, calculating gains and losses and rotating wheel
- Designed the betting area and roulette wheel according to American-style roulette; set odds correspondingly and allowed users to place chips on multiple positions
- Provided users with immediate and accurate data feedback including balance, current bet, gain and lose; designed bankrupt features and betting limits
- Gained a deep understanding of the application of various hooks and virtual DOM manipulations; enhanced debugging and problem-solving skill

EDUCATION

Software Engineering Immersive   Jan 2024 - Apr 2024
General Assembly   Perth, Australia
- Core Modules: Front End Development, Full Stack Development, Python and Django, React

Master of Professional Engineering (Civil Engineering)   Jul 2016 - Jul 2018
The University of Western Australia   Perth, Australia
- Core Modules: Transportation Engineering, Numerical Methods and Modelling, Finite Element Methods, Project Management & Engineering Practice

Bachelor of Science   Jul 2013 - Jun 2016
The University of Western Australia   Perth, Australia
- Core Modules: Computer Analysis & Visualisation, Energy, Structural Analysis