Shijie Zhou

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WORK & LEADERSHIP EXPERIENCE

Code 9, PTE. LTD   **Paya Lebar, Singapore**
Software Engineer   Aug.2020 – Presents
- Designed and developed a content management system for websites with large content such as tables, carousels table, and multiple purpose charts.
- Developed and managed SEO and SEM for client websites improving their visits statistics to over 20%.
- Presenting case studies and cloud architecture solutions at conferences and technology events.
- Extensive experience in various databases such as InfluxDB, Postgres, AWS DynamoDB, and MongoDB.
- Led the creation of wireframes and designs for websites and mobile application, regularly collaborate with UI/UX development team to ensure the reliability of the planning.
- Developed full stack solutions using databases, message queues, sockets, HTTP/HTTP2 and UI's to solve the complex issues involved in currency trading.
- Implemented reports, monitoring tools, deployment tools and troubleshooting tools for our trading and accounting systems for the wallet system.

Midnight Management Service Group. L.L.C.   **Salt Lake City, Utah**
Software Engineer   Jan.2019 – Feb.2020
- Extensive experience in cloud deployment templates using Google Deployment Manager, Kubernetes Config, and Ingress scripting solution.
- Consumer Products data analysis including AB testing evaluations, conceptional test over 2,000 hours.
- Prototyped the static illustrator files into Handlebar elements proficiency, and mockup reporting diagrams – PlantUML, Wire Frame, Use Case, Class Diagram, KPI analysis, or QA to the support industrial customers.
- Used Selenium/Katalon Studio, CucumberJS, Mocha, and Sinon to heavily test the quality of each use case.
- Performs remote services to technically diagnose and resolve critical issues based on the region of customers.
- Developed DDoS prevention by adding rate-limiting feature based on tokens with the leaky bucket algorithm.
- Distributed to software providers host and combination of servers, and databases to create the applications.
- Delivered a high-quality solution to client partnerships from UK, New Zealand, and countries across the world.
- Performed analytical skills that allow for the development of data-driven reports for the client configuration.
- Experienced with business intelligence and reporting tools (SQL Server, Tableau and Prometheus).

Spotlight Home Tours, Inc.   **Salt Lake City, Utah**
PHP Developer   May.2018 – Dec.2018
- Constructed SaaS provider and fueled demand for SaaS including cloud computing and edge computing, IoT devices, collaboration technologies with the social media platforms.
- Converted company from IaaS (infrastructure as a server) to PaaS (Platform as a service) to lower the cost to build the infrastructure without requiring up-front capital from the company.
- Consistently work to achieve and maintain 95% code test coverage and speed performance mobile applications.
- Experienced with ansible skill sets which deploying multi-tier apps with automated workflows and provisioning to make orchestrating task simpler to the developing team.
- Worked on diversified cloud platforms consisting of Databases and CI/CD, Logging, and Monitoring tools. Such as Prometheus, Ansible, Grafana, and Puppet.

The Worldview Project   **San Diego, California**
PHP/Web Designer   June.2017 – June.2018
- Performed and developed large validation forms using HTML5, CSS3, JavaScript, JQuery, AJAX, JSON.
- Designed, built and deployed BI solutions including the usage of the Google Analytics portal for reports, Data analytics, as well as Dashboard) that provide accessible information for decision-making.
- Directed front-end and back-end developers on platform redesign with best practices of unified experience on desktop, tablet and mobile, and the application is accessible in 95%+ device.
- Extensive experience in designing and implementing various web applications in both WAMP (Windows, Apache, MySQL, PHP), LAMP/MEAN (Linux, Apache, MongoDB, PHP/Node) environment.

- Helped shift behavior from print to paperless book/E-book 150% increase in users activating paperless.
- Re-branded website, sales and marketing materials to help boost revenue from 15% to 35%.
- Documented user flows and competitor benchmarking for strategic analysis of the marketplace.
- Ensured cohesive experiences within site ecosystems for faster development opportunities and a branded house of products.

ACADEMIC PROJECT

Tele-signalization System - UCSD   **Jan 2018 – March 2018**
- Implemented Processing/P5JS framework to produce the data visualization and applied OpenCV library in Java.
- Extracted and process large amount of data from various components on the internal platform.
- Programming an algorithm that is entirely automatic computation of the intimacy levels based on measuring distance and motion detection by camera.

EDUCATION

University of California, San Diego   **La Jolla, California**
Bachelor of Arts in The Disciplinary Computer & Arts   Sept 2015 – March 2018
- Relevant Coursework: [Programming Structure, Probability & Statistics, Business Model Design]

SKILLS & QUALIFICATIONS

Languages: Java, Node, PHP, Groovy, TypeScript, HTML5, CSS, Node, MySQL, Object-C
Library: Gradle, Git, Visual Paradigm, Docker Swarm, Webpack, Consul, Supervisor, PM2, Proxy Nginx