STEVEN ZHAO

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SOFTWARE ENGINEER

Passionate Software Engineer with proven track record of designing, developing, and deploying high-quality software solutions. Solid understanding of data structures, algorithms, and design patterns. Adept at leading cross-functional teams and collaborating with stakeholders to deliver projects on time and within budget. Known for implementing best practices in software development, ensuring code quality, scalability, and security. Demonstrated success in hardware system integration and verification, product diagnostic and R&D tech support experience. Adapt easily to multitasking fast-paced environments, tight deadlines, and working under pressure.

SKILLS

- Back-end: Java, with knowledge in Python
- Front-end: HTML & CSS, JavaScript, TypeScript, React, Vue
- Frameworks and Tools: Spring, Spring Boot, Spring Data JPA, MyBatis, Hibernate, REST API, Maven, and Git, AWS

- Database operation: MySQL, SQL, and SQLite
- Agile and Scrum methodologies
- Project planning and management
- Technical documentation writing, strong communications skills
- Portfolio: www.stevenzhao.org

PROFESSIONAL EXPERIENCES

Web Developer **2023 – Present**
Self-employed
- Designed, developed and deployed customized web applications for over 20 clients, including front-end and back-end
- Maintained their web applications for existing clients

Software Engineer & Integration Engineer **2020 – 2022**
Aurora Aerial **Winnipeg, Canada**
Aurora Aerial pioneers industrial drone solutions, harnessing cutting-edge technology to redefine industry standards
- Improved datalink connection and data collection function through Java, increasing performance by 10%
- Modified and improved some core features of system such as flight data processing, drone status alarming, flight path planning, and emergency auto-control, greatly increasing customer satisfaction and generating $50k in system sales
- Conducted debugging and provided support for software testing
- Documented the supported systems and applications to effectively train the new and existing customers
- Designed and implemented the brand-new inventory system through HTML, ReactJS, Java and SQL to efficiently monitor, manage company's inventory of over 200 items
- Developed and maintained company's website through HTML/CSS, ReactJS and AWS
- Designed and conducted the integration of electronic and mechanical parts of the company's main drone system, generating 500k+ sales
- Created drone system verification processes, including planning, implementation, and reporting
- Led continuous improvement initiatives for the drone's hardware system

Business Development   **2019 - 2020**

NiuVision Media   **Winnipeg, Canada**

- Communicated and negotiated with potential clients, creating customized promotion plans, generating over 100k sales
- Organized and led design and operation teams to execute 50+ promotion plans for achieving client goals
- Created company documents, including reports, data sheets, and presentations
- Organized 8 major commercial live shows for world-famous groups at Winnipeg
- Maintained sound relationships with 30+ vendors and service providers

Senior Business Analyst   **2016 – 2017**

Lenovo Group   **Beijing, China**

- Developed marketing plans through market research, pricing analyses, data interpretation, and reporting, resulting 5% sales increase in 8 months
- Set and evaluated business goals, establishing performance metrics to track and report market results
- Evaluated 6 potential business investment projects, analyzing industry trends, business profitability, and financial data, conducting valuation
- Collected and organized business data monthly, conducted bi-annual strategy evaluation programs
- Researched and analyzed market and financial data for existing businesses, presenting findings to the executive team

Strategic Planning Specialist   **2012 – 2016**

DaTang Telecommunication Group   **Beijing, China**

- Planned long-term and short-term strategies aligned with company goals
- Continuously evaluated strategy outcomes and industry developments for effective implementation
- Developed and implemented strategic management policies and procedures for all departments
- Managed and collaborated with third-party business resources, including consulting companies and data providers
- Compiled research reports on industrial trends, market performance, and competitor analysis

Product Engineer   **2006 - 2010**

NOKIA Telecommunication   **Beijing, China**

- Led the testing of over 30 cell phones in the mass production phase, focusing on both software and hardware aspects
- Wrote, tested, and maintained product test plans for production
- Analyzed testing data, identified problems, and provided solutions
- Managed a team of five and trained technicians on troubleshooting for technical issues during production
- Monitored quality issues and implemented product improvement processes during the mass production stage
- Collaborated with R&D teams to test products for mass production
- Communicated with suppliers to negotiate cost adjustments and quality improvements

EDUCATION

- MBA, Information Technology Management, Peking University   2010-2012
- B.Sc. Electronic and Information Engineering, North China University of Technology   2002-2006
- Certificate of Applied Business Management, University of Manitoba   2018-2019