# STEVEN ZHAO

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## SOFTWARE DEVELOPER
### Technical proficiency | Problem solving | Collaborative team player

Proven track record of designing, developing, and deploying high-quality software solutions. Proficient in full-stack development, with expertise in Java, Python for back-end and HTML, CSS, JavaScript & React with front-end. 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. Passionate about staying current with emerging technologies and continuously enhancing technical skills. Adapt easily to multitasking fast-paced environments, tight deadlines, and working under pressure.

- 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
- Development under Agile and Scrum methodologies
- Project planning and management
- Technical documentation writing, strong communications skills
- Portfolio: github.com/plustype

## PROFESSIONAL EXPERIENCES

**Aurora Aerial Inc., Winnipeg, Canada**                                                                      **2020 - 2022**
**Junior Software Engineer & Integration Engineer**
Aurora Aerial pioneers industrial drone solutions, harnessing cutting-edge technology to redefine industry standards. Specializing in unmanned aerial vehicles, we deliver tailored solutions for aerial inspections, surveying, and data analysis.

responsible for back-end development on an enterprise-level software called Ground Control Station (GCS) for drone systems, using Java. GCS is a desktop drone operation software enabling fleet management, flight planning, real-time drone control, and flight data analysis. Additionally, I handled both back-end and front-end development for the company's web-based Inventory Management System, utilizing Java, Spring Boot, TypeScript, React, and MySQL. All development projects followed Agile and Scrum methodologies. I also worked as an integration engineer, responsible the integration, maintenance and continue improvement of drone systems.

- Participated in project requirements analysis for GCS.
- Implemented features including datalink connection, real-time flight data processing, drone status alarms, flight path planning, and emergency auto-control patterns.
- Conducted debugging and provided support for software testing.
- Wrote technical documentation.
- Developed back-end features for the Inventory Management System, covering product management, inventory control, adjustment, purchasing, receiving, sales, order fulfillment, supplier and customer management, and customized report generation.

- Developed front-end features, including Web UI for product and inventory management pages.
- Applied Agile and Scrum methodology in all development projects.
- Designed and conducted the integration of electronic and mechanical parts of the company's main drone system.
- Created drone system verification processes, including planning, implementation, and reporting.
- Designed system maintenance guidelines and troubleshooting procedures.
- Led continuous improvement initiatives for the drone's hardware system.
- Designed and created a drone system for internal training purposes.

**NiuVision Media, Winnipeg, Canada**                                        **2019 - 2020**
**Business Development Specialist**
A media company that provides advertisement services and film publication worldwide.

- Communicated and negotiated with potential clients, creating customized promotion plans.
- Organized and led design and operation teams to execute promotion plans for achieving client goals.
- Created company documents, including reports, data sheets, and presentations.
- Organized, planned, and executed the market plan for the film publishing business.
- Organized major commercial shows for world-famous groups in the Centennial Concert Hall.
- Maintained sound relationships with vendors and service providers.

**Lenovo Group, Beijing, China**                                        **2016 - 2017**
**Senior Marketing and Business Specialist**
responsible for developing comprehensive marketing plans. Setting and evaluating business goals, evaluating potential business investment projects, conducting in-depth research on industry trends, business profitability, and financial statements. I collected and organized business data, conducted strategy evaluation programs, and presented findings to the executive team.

- Developed marketing plans through market research, pricing analyses, data interpretation, and reporting.
- Set and evaluated business goals, establishing performance metrics to track and report market results.
- Evaluated potential business investment projects, researching and analyzing industry trends, business profitability, and financial statements.
- Compiled detailed analyses into reports for the company's executive team.
- 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.

**DaTang Telecommunication Group, Beijing, China**                                        **2012 – 2016**
**Strategic Planning Specialist**

- Developed and implemented strategic management policies and procedures for all departments.
- Created annual schedules with project milestones.
- Planned long-term and short-term strategies aligned with company goals.
- Continuously evaluated strategy outcomes and industry developments for effective implementation.
- Managed and collaborated with third-party business resources, including consulting companies and data providers.
- Organized and ran an internal business incubation program.

- Compiled research reports on industrial trends, market performance, and competitor analysis.

**NOKIA Telecommunication, Beijing, China**                                        **2006 – 2010**
**Product Engineer**

led the testing of cell phones in the mass production phase, focusing on both software and hardware aspects. I was responsible for writing, testing, and maintaining product test plans, analyzing testing data, identifying problems, and providing solutions. Managing a team on troubleshooting for technical issues during production and proactively identified the root cause of concerns. Additionally, I monitored quality issues and implemented product improvement. My collaboration with R&D teams to test products for mass production and communication with suppliers to negotiate cost adjustments and quality improvements were crucial components of my role.

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

### EDUCATION & PROFESSIONAL CERTIFICATE

**MBA**, Peking University & Vlerick Business School, Beijing, China
**BEng, Electronic and Information Engineering**, North China University of Technology, Beijing, China
**Certificate of Applied Business Management**, University of Manitoba, Winnipeg, Canada