



# ROBERT TYSEN

## SOFTWARE DEVELOPER

I am a dedicated developer and tech enthusiast with over 8 years of experience in engineering, software development, and consulting. I have a strong passion for learning and staying up-to-date with emerging technologies and industry trends. My objective is to contribute my expertise to develop high-quality, innovative products and services, collaborating with a motivated and diverse team.

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📍 Ottawa, Ontario

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## WORK EXPERIENCE

### Business Architecture Specialist

Accenture (2021 - Present)

- Managed and guided a team to successfully implement new features, resolve defects, and deploy code changes to QA and production systems.
- Spearheaded performance optimization initiatives, enhancing efficiency and service availability. Leveraged advanced analysis and tracing tools to identify and address bottlenecks proactively, resulting in 80% improvement in processing times.
- Utilized advanced debugging and testing tools to identify root causes of software defects swiftly and implement effective fixes to minimize downtime.
- Improved code maintainability by refactoring the codebase and enhancing technical documentation, streamlining future development efforts.
- Regularly reported team progress, key priorities, and issues to Project Management and senior leadership teams to ensure transparency and alignment with project goals.
- Fostered collaboration with internal teams and stakeholders, actively participating in solution design and implementation, to effectively meet business requirements.

### Business Architecture Senior Analyst

Accenture (2019 - 2021)

- Led the creation of backend validation, calculation and analytics services for an SAP S/4 HANA system. Utilized ABAP and BRF+ programming languages to architect solutions designed to be highly scalable and available, supporting 30+ million transactions per year.
- Architected data models crucial for business process automation and rule-based analytics, optimizing system efficiency and decision-making processes.
- Authored comprehensive software functional specifications to translate complex business requirements into actionable development tasks, ensuring alignment between technology solutions and organizational needs.

## Engineering Project Manager SanEcoTec Ltd. (2016 - 2019)

- Designed treatment plants for municipal drinking water and irrigation.
- Managed engineering and cost estimation for \$2M water treatment projects.
- Coordinated installations to ensure on-time project delivery and compliance.
- Developed business processes to improve team efficiency and product quality.
- Analyzed and optimized water treatment systems for performance targets.
- Utilized SolidWorks and MS Vision CAD tools for process drafting and design.
- Performed complex calculations to develop and verify project specifications.
- Compiled and authored technical documentation for regulatory approval.
- Applied analytical skills to scale lab-scale data to full-size water treatment systems.

## Technology Coordinator SanEcoTec Ltd. (2015 - 2016)

- Coordinated project plans with customers and management, ensuring effective communication and alignment.
- Developed and reviewed experimental designs to assess their business applicability.
- Collected water samples and conducted laboratory experiments.

## EDUCATION

**Bachelor of Science, Computing Technology**  
University of Ottawa  
2010 - 2015

**Bachelor of Applied Science, Chemical Engineering**  
University of Ottawa  
2010 - 2015

## SKILLS

### Professional Skills

Agile  
Issue Management  
Functional Specifications  
MS Office Suite  
Project Planning  
Technical Writing

### Technical Skills

Cloud (e.g. AWS, GCP)	NoSQL
Data Modelling	OO Programming
Debugging Tools	Performance Optimization
Firebase BaaS	SQL
Git	PostgreSQL
Javascript / Node.js	Supabase BaaS
Jira	Software Lifecycle

## REFERENCES

References are available upon request.