

Hello. I'm Victor Rehorst.

I'm a career software developer with almost ten years of management experience. I create and implement solutions that are built to last and solve real-world problems, while maintaining a customer-oriented viewpoint and building strong relationships with product managers. I excel at unraveling, rebuilding, and describing complex systems, tailoring my explanations for any level of technical knowledge. I have a keen eye for debugging and finding edge cases. I'm a tireless advocate for my team and product, and a strong believer in an open, collaborative, cross-functional work environment.

Skills

- Software analysis, design, and debugging
- Product and customer collaboration
- Microservice architectures
- Integrating diverse systems
- Handling large data sets
- System debugging and problem solving
- Continuous Integration and Delivery
- Agile with Lean Kanban
- Resource estimation
- People management
- Technical communication

Tech Tools

- AWS cloud architecture and deployment - CDK, EC2, ECS, Lambda, OpenSearch, SQS, and more
- CircleCI, GitHub
- RESTful and client/server API
- MySQL, OpenSearch
- Node.js and Typescript
- Python, C/C++
- Jira, Confluence

Experience and key accomplishments

SOFTWARE DEVELOPMENT MANAGER, SEARCH AND NOTIFICATIONS QUALIO | Remote | 2021 - Present

I led my team's design and implementation of many enhancements to content ingestion, search, and record connection discovery, constantly collaborating with product and design and utilizing customer feedback and service monitoring data throughout. Extensive use of AWS technologies such as SNS, SQS, Lambda, OpenSearch, and CDK.

Designed a system for the real-time collection, storage, processing, and searching of millions of records for an audit trail system. Separation between original, immutable record storage and presentation records provided customer confidence and flexibility. Our detailed documentation and strong inter-team communications resulted in immediate buy-in and painless implementation by all product modules, deprecating the old, brittle batch processing system.

SENIOR DEVELOPMENT TEAM MANAGER, NAVIGATION VERIZON CONNECT (MERGED FROM TELOGIS) | Toronto, CA | 2015 - 2021

With product management, I designed and implemented a flexible driver alert system by comparing planned driving routes with static or real-time incident data.

I completely overhauled and optimized our MySQL based custom geospatial data storage engine, practically eliminating production incidents and dramatically improving performance.

I was responsible for the architecture of our microservice based infrastructure, designing new services and maintaining others in a wide variety of programming languages, linking them together with a simple but powerful messaging system.

Guided my team of four developers through projects and organizational changes, and was acting development manager for the entire Toronto development team of ten from May to December 2019.

Hello. I'm Victor Rehorst.

Education

2003 | B.A.

COMPUTER SCIENCE

University of Guelph

Awards

Co-inventor, USPTO # 9,857,191,
10,824,269, 10,845,207, 11,015,945,
11,035,681, 11,402,222

Organizations

2009-PRESENT

DURHAM ULTIMATE CLUB

Member, player, and team coach.
Former convener and coach for
the club's youth league for kids
8-14. NCCP Community Sport
coach for Ultimate.

Hobbies

- Playing and coaching
Ultimate Frisbee
- GNU/Linux and emulation
software
- Practicing yoga
- Learning and practicing anti-
racism
- Video and table-top gaming
- Collecting maps
- Birdwatching
- DIY home automation
- Using AWK for "everything"

Experience Continued

SENIOR SOFTWARE DEVELOPER / LEAD DATA BUILD DEVELOPER

TELOGIS (MERGED FROM MAPTUIT) | Toronto, CA | 2008 - 2015

I reverse-engineered, documented, streamlined, and rebuilt the company's geospatial data build and update systems. The result was more frequent and higher quality data updates for our customers, and improved internal tools for data analysis.

I was a vocal advocate for adopting Node.js, and implemented two important projects during this period. One receives, processes, and stores millions of vehicle location messages daily. The other delivers geospatial data updates to the Navigation client, automatically splitting and streaming large data sets with validation hashes included in-band.

I collaborated with the operations team to streamline and migrate production operations from a bare-iron collocate to Amazon AWS, without customer downtime. System capacity and responsiveness improved, and costs reduced by 40%.

I also hired, supervised and mentored a number of co-op students.

SOFTWARE DEVELOPER, CORE SERVICES

MAPTUIT | Toronto, CA | 2005 - 2008

I helped implement a tile-based map viewer for the web, writing tools that pre-rendered map tiles for the most frequently viewed areas and scale levels, and implemented a number of map overlay plug-ins using HTML5 Canvas API.

I led the implementation of Navigation Portal, a PHP-based framework and suite of web applications used by back-office customers to track and manage their users and data.

SYSTEM ADMINISTRATOR / CUSTOMER SERVICE REPRESENTATIVE

MAPTUIT | Toronto, CA | 2003 - 2005

I was the point of contact for over 30 business customers, regularly reading feedback and making recommendations for our products. I wrote and edited customer-facing and internal documentation for our products and tools. I also worked with the operations team to maintain the company's development and production environments.

www.linkedin.com/in/victor-rehorst/

E victor@chuma.org

W www.chuma.org

P 905.668.5789

L Whitby, CA