

RICCARDO PROSDOCIMI

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Available: January 8th, 2024 – June 30th, 2024

PROFESSIONAL SUMMARY

I'm a bilingual Software Engineer with a strong foundation and experience in leadership, teamwork, and communication. My diverse background equips me with a holistic understanding of both technology and business.

EDUCATION

Northeastern University, Boston, MA Expected graduation: August 2024

Master of Science in Computer Science

GPA: 4.00 / 4.00

Relevant Coursework: Scalable Distributed Systems, Networking, Web Development, Object-Oriented Design, Database Management Systems, Algorithms, Data Structures and their Applications in Computer Systems, Computer Graphics.

Minnesota State University - Mankato (AACSB Accredited), Mankato, MN

Graduated: May 2019

Bachelor of Science in Marketing and Certificate in Business Analytics

Dual Minors: Entrepreneurship and Innovation, Business Administration

GPA: 3.99 / 4.00

TECHNICAL KNOWLEDGE

Languages: Java, Python, JavaScript, C/C++, SQL, HTML, CSS, Bash, LaTeX.

Tools & Frameworks: Git, GitHub, Linux, RESTful APIs, Node.js, React.js, jQuery, Docker, Wireshark, SDL/OpenGL.

Databases: MySQL (SQL), MongoDB (NoSQL).

PROFESSIONAL EXPERIENCE

Northeastern University - Department of Biology, Boston, MA

January 2023 – Present

Technology Consultant

- Increased department efficiency and productivity by 80% through streamlining and expediting form submissions process using Smartsheet.
- Built a dashboard visualizing form submissions data to provide business intelligence to help in decision-making.

Kato Engineering, North Mankato, MN

January 2018 – May 2018

Marketing Consultant

- Led a team of 4 to perform a nationwide market research project to provide the parts & service division with crucial insights on the number of service centers selling company's spare parts.
- Collected the data using a Qualtrics survey, analyzed it in Excel, and presented it in PowerPoint to the executives.

PROJECTS

Roll Your Own CDN [\[link\]](#)

November 2022 – December 2022

- Created the building blocks of a CDN in Python using a DNS, an origin, and 7 HTTP/replica servers worldwide.
- Implemented a DNS redirection to send clients to the replica with the fastest response time.
- Designed a system to determine the best replica with info on network performance, load, and cached data.
- Deployed a GeoIP database for passive measurements and scamper for active ones.

CoinChat [\[link\]](#)

September 2022 – December 2022

- Developed a social networking web application with login functionalities and REST APIs.
- Designed features to look up and save cryptocurrencies in a watchlist, follow other users, and write blogs.
- Programmed the user interface in React.js, the server in Node.js, and implemented the database using MongoDB.

Shapes Photo Album [\[link\]](#)

March 2022 – May 2022

- Built an application in Java to design a simple photo album from shapes following the MVC architecture.
- Programmed it to render descriptive text in an interactive graphical view using Swing and a static web view.
- Wrote Junit tests and followed object-oriented programming principles and design patterns for code flexibility.