

Demid Zykov

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EDUCATION

University Of Toronto Mississauga

2018-2023

Honours Bachelor of Science: Computer Science, Philosophy, and Mathematics

PORTFOLIO PROJECTS

Chrono | *Python, Javascript, Dart, Flask, Node.js, Flutter, PostgreSQL, Nginx, DigitalOcean*

2023

A comprehensive project has been developed that involves a web-based platform for posting blogs/articles on both the [platform](#) and the [internet](#). The platform has been implemented using various technologies, such as Flutter for developing the web app, Node.js for creating website pages, and Flask for building the backend API. All created blogs/articles are optimised for search engines by the platform itself. Cloud Service, DigitalOcean, has been utilised to deploy the entire architecture. Nginx is used as a reverse proxy server to ensure a smooth traffic flow between clients and the server. Additionally, all servers support secure connections (HTTPS). The project is in production and ready to use.

IRC Web Chat | *Javascript, Node.js, HTML, CSS*

2023

A [web application](#) has enabled users to create and join chat rooms where they can send text messages to each other. The application is made using Node.js, CSS, and HTML. The application allows users to create chat rooms and invite others to join or join existing chat rooms. Users can send text messages to each other within the chat rooms and view the messages in real time. The application has been designed to be user-friendly and easy to use, with a simple and intuitive interface. Additionally, the application has been optimised for scalability and performance to ensure a smooth and seamless user experience, even as the number of users and chat rooms grows. The project is in staging; however, the project is ready to be used in production.

Multiplayer Web Game | *Javascript, Node.js, HTML, CSS*

2023

A real-time [web shooter game](#) has been developed with multiplayer support. The game is made using Node.js, CSS, and HTML. The game allows players to compete against each other in real time, testing their shooting skills and reflexes. The game can be played from any web browser, with no need to download any additional software. The game includes the option of creating public or private servers or rooms. The multiplayer support allows players to join and play against each other in real-time. The game has been optimised for performance and scalability to ensure a smooth and seamless experience, even with many players. The project is in staging; however, the project is ready to be used in production.

VOLUNTEER EXPERIENCE

Mentor Collective

2018-2020

Top alumni and student leaders have volunteered to prepare new students for success.

- Created a sense of community and belonging for new students and helped them succeed academically and socially.
- Integrated international students into Canadian society and helped to build valuable connections.

SKILLS & INTERESTS

Technical Skills: User Interface & User Experience Design, Accessible Web Development & Design, Algorithms & Data Structure Designs, Database Management, Optimization, APIs, Kernel Management

Languages & Tools: Python, Java, Javascript C/C++, Dart, Bash, Flask, Django, Node.js, Spring, Flutter, React.js

Soft Skills: Project/Operations Management, Flexibility, Decision Making, Creative Thinking, Strategic Planning, Multi-tasking, Adaptability, Research & Strategy, Problem Solving, Responsibility, Teamwork, Networking \

Other Skills: Nginx, Apache, Docker, PostgreSQL, UNIX, SEO, Google Cloud, Digital Ocean, Agile

Interests: Game Development & Design, Story Telling, Swimming, Boxing

Languages: English, Russian, Bashkir