

Andrii Bohdan

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EDUCATION

York University / International Bachelor of Science in Computer Science

Toronto, Sep 2019 – Aug 2023 (Exp.)

Relevant courses: Data structures, Computer Organization, Advanced OOP, Software Design, Intro to Database Systems

STEP Computer Academy / Professional Software Development Education

Kyiv, Sep 2016 – Jun 2018

Relevant courses: Cisco IT Essentials, CCNA1, C programming, OOP with C++, C#, WinForms, ADO.NET

EXPERIENCE

Autodesk ShotGrid / Software Developer (Part-Time)

Montreal – Remote, May 2022 – Present

- Developed a web-based highly customizable project management app **ShotGrid**, made and tailored for the clients in the VFX, animation, film production and other entertainment industries
- Revamped the developer-facing **JS** infrastructure making it more stable, and achieving **~11x** speed for common build/test scripts
- Upgraded the codebase to run on **Node.js** v16, further improving build/test script runtime by **~200%**, and fixing **46%** of vulnerabilities

Autodesk ShotGrid / Intern, Full-Stack Developer

Montreal – Remote, Sep 2021 – Apr 2022

- Using **Karma** for unit tests and **Cypress** for integration testing, fixed complex UI bugs, resolving **20%** of the incoming tickets
- Worked in a squad to develop an Earliest Testable Product and an MVP of a strategic feature allowing to save and restore page settings on both front-end using **React** and **Storybook**, and back-end using **Ruby on Rails**

PROJECTS



Trellzo (in development)

- Full-stack web application, a copy of the well-known **Trello** task management service remade using the **MERN** technology stack
- Used **GitHub Actions** to create a stable **CI/CD** pipeline with **Docker** multi-stage builds and deploy both servers on **DigitalOcean**
- Ensured both the **NGINX** front-end server and the **Express.js** API can be accessed through **HTTPS** and are protected with **Cloudflare**
- Kept my React components concise by employing **React Query** and 90% covered with **Storybook** and **React Testing Library**



Treasure Island – Aye Aye Hackers Hackathon, 1st place in the First-Time Teams Category

- Browser game, where the player has to locate the treasure on a map, generated with the random walk algorithm
- Written using **Node.js** and **Express.js**, leveraging browser cookies to store **user authentication** data in **JWT tokens**



eduCater – Def Hacks Hackathon

- Web application, made to *simplify the Q&A process* in online education by allowing students to post questions about sections of the lecture material
- Implemented with **Node.js**, **Express.js**. Stores user data in **MongoDB** and **AWS S3**. Authenticates users with **Firebase**

Random Utilities

PDF to Anki deck converter – parses a PDF with words from my Japanese class and outputs a deck of flashcards for the Anki app. Written in **Python**.



Bank statement parser – converts a standard transaction list CSV file from my bank to a TSV file, that can be later imported into a finance management app. Written in **TypeScript**. Has a user interface made with **React.js**.

SKILLS

Languages: TypeScript, JavaScript, HTML/CSS, Python, Java, C/C++, C#

Frameworks and tools: Node.js, Express.js, React.js, Docker, Ruby, React Native, MySQL, Git, AWS, Firebase, Bash

Other skills: Native in Ukrainian, Russian. Fluent in English. Proficient in Japanese (JLPT N3).