Anton Panfilenok

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PROFESSIONAL EXPERIENCE

Full-Stack Web Developer & UX Researcher   July 2024 – Present
TicketRebel   *Vancouver, BC*

- Building an **event ticketing website** catering to **entry-level event hosts**.
- Conducting **UX research** by **interviewing** and **distributing questionnaires** to members of the **target user base** to develop a **friendly user journey** and make **informed decisions on MVP requirements**.
- Designing an **event-sourcing based database** comprised of **WAL-based persistent storage** and **unlogged projection tables** to ensure **transactional integrity**, enable **state reconstruction**, and allow for **low-latency operations**.

Web Developer   Jul. 2024 – Oct. 2024
Solstice Design   *Vancouver, BC*

- Built a **PDF invoice generator** using React, MUI, and React-To-PDF to **automate customer billing**, **increasing efficiency** throughout the billing process.
- Attended meetings with the program director to facilitate clear communication, ensuring alignment between customer needs and project results.
- Assisted with **webpage layout**, **color schemes**, and overall **design** as a consultant, **improving customer satisfaction** with webpage interfaces.

Junior Web Developer   Oct. 2021 – Sept. 2023
SpeakWeb Inc.   *Vancouver, BC*

- Built an **AI-integration extension for VS Code** as an internal tool (before the release of similar tools), enabling team members to receive **contextual advice** and **in-place code edits** via ChatGPT API calls, with support for **automated file and code snippet transmission** based on relevance and dependency, with support for manual user selection.
- Created a **web-based educational game** that leverages **ChatGPT** to guide users through **test-based code modification**, helping them develop more effective prompting skills through interactive challenges and feedback loops.
- Developed a **massage service comparison site** using the **JaneApp API** and **Selenium**-based web scraping, implementing automated **data filtering and normalization** and **adaptive scraping logic** to support long-term maintainability.

PROJECTS

Space Exploration Hub   Jun. 2025 – Aug. 2025

- Led a team of four as **project manager** and **lead full-stack developer** under an **Agile Scrum** workflow, coordinating sprints, feature integration, and progress tracking.
- Implemented a fully interactive **3D globe visualization** using **React-Globe.GL** to display real-time satellite and launch data from the **Celestrak** and **Launch Library 2 APIs**.
- Engineered a **time-controllable satellite tracking system** supporting real-time, historical, and projected orbital visualization across a 14-day window.
- Implemented **satellite search and focus features**, allowing users to locate satellites by name or ID and visually lock onto them as the globe dynamically rotated to maintain center tracking.
- Integrated **rate-limited APIs** efficiently by designing a minimal-request data layer with **in-memory caching**, overcoming the lack of backend storage on GitHub Pages.

SKILLS

Languages: C/C++, HTML/CSS, JavaScript/TypeScript, PostgreSQL, Python
Frameworks: Koa, Material-UI, React
Libraries: AJV, DayJS, Formik, Leaflet, React-Globe.GL (Three.js), Satellite.js, Selenium, Tkinter, Yup
APIs: Celestrak, Discord.js, Launch Library 2, OpenAI API (ChatGPT), OpenAPI/OAS3, Stripe API

EDUCATION

Simon Fraser University   Vancouver, BC
*Bachelor of Applied Sciences in Computing Science - **3.25 GPA***   *Jan. 2024 – Present*

Douglas College   Vancouver, BC
*Certificate of Computing Science - **3.74 GPA***   *Feb. 2020 - Feb. 2021*