

Ivan Roussev

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Education

British Columbia Institute of Technology | Vancouver B.C

Computer Information Technology

Relevant Courses: Cloud, Algorithms, Database Systems, Database Admin, Linux, CI/CD, Enterprise Networking, Web Server Admin, UX/UI, Information Security

Work Experience

- **Software Engineer Intern** *Accelbyte* *September 2023 – Present*
 - Engineered and Implemented a **concurrent Go** worker to manage pending game sessions to **designated server** with a timeout mechanism that automatically disbanded matchmaking if the minimum player threshold was not met within the specified timeframe
 - Utilized Go to **manipulate MongoDB** databases through **REST APIs**, ensuring efficient data handling for the gaming platform.
 - Automated the integration of **Docker images** with **AWS** using **Jenkins** and **Amazon Elastic Container Registry (ECR)**, **optimizing the build and deployment pipeline**
 - Monitored **Grafana logs** and **graphs** to proactively identify and **resolve errors**, contributing to the **stability** and **reliability** of the **gaming** services.

Projects

- **Car Maintenance Logger** | Full Stack Website | [Source Code](#) *Go | React | PostgreSQL | Docker*
 - Implemented **CRUD REST API** requests in the backend to postgres database, optimizing performance and ensuring efficient communication with the frontend.
 - Engineered **secure** user authentication using **Paseto** to safeguard sensitive information and **hashing** user passwords before inserting into database.
 - Utilized **SQL** database: **PostgreSQL** for efficient data storage **normalization**, ensuring seamless retrieval and management of user and maintenance records.
 - Containerized using **docker** and hosting deployment on **AWS** using **EC2, RDS** and **S3**
- **Task Manager System** | Backend App | [Source Code](#) *Go | MongoDB | Docker*
 - Developed an app to keep track of Tasks using **Go** to manipulate **mongoDB** database using **CRUD** methods.
 - Integrated and connected REST API to Swagger to visualize and create user friendly UI for performing CRUD requests
 - Utilized MongoDB for data storage, ensuring a scalable and flexible database solution for efficient and quick retrieval of tasks.
- **Personal Website** | [Source Code](#) *React | HTML | CSS*
 - Designed and developed a personal portfolio website using React and CSS to showcase my skills and projects.
 - Ensured a responsive design to optimize the website for various devices, showcasing adaptability and user-centered design principles.

Certificates



AWS Certified Cloud Practitioner - Amazon Web Services (AWS)

- Issued Nov 2023 - Expires Nov 2026

Technical Skills

Languages: Go, Python, JavaScript, SQL, CSS, HTML

Libraries/Frameworks: ReactJS, Flask

Databases: MySQL, MongoDB, PostgreSQL

Developer tools: Postman, Git, Linux, Bash, Jenkins

Containerization: Docker, Kubernetes

Cloud/Web Server: AWS, Azure, Terraform, Apache, Nginx

