

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*
 - Architected a **Go**-based solution to seamlessly interact with MongoDB databases through **REST APIs**, enhancing data efficiency for the gaming platform by **50%**.
 - Engineered an **automated** solution to disband game sessions if the minimum player threshold is not met, resulting in a **2x** improvement in matchmaking speed.
 - Orchestrated the seamless integration of **Docker** images with **AWS** infrastructure, leveraging **Jenkins** and **Amazon ECR**; accelerated **build** and deployment **pipeline**, leading to a **60%** reduction in deployment errors and improved overall system stability.
 - Solved **20+ bugs**, and identified risks and vulnerabilities by monitoring **Grafana logs** and graphs, contributing to the stability and reliability of the gaming services and reducing downtime by **30%**.

Projects

- **Car Maintenance Logger** | Full Stack Website | [Source Code](#) **Go | React | PostgreSQL | Docker**
 - Implemented **CRUD** requests in the backend to the **PostgreSQL** database, optimizing performance and ensuring efficient communication with the front end.
 - Engineered **secure** user authentication using **Paseto** to safeguard sensitive information and **hashing** user passwords before inserting them into the database.
 - Utilized **SQL** database: **PostgreSQL** for efficient data storage **normalization**, ensuring seamless retrieval and management of user and maintenance records.
 - Containerized using **Docker** and hosted deployment on **AWS** using **EC2**, **RDS**, and **S3**, achieving a scalable infrastructure with a **20%** reduction in resource utilization.
- **Task Manager System** | Backend App | [Source Code](#) **Go | MongoDB | Docker**
 - Developed an app to keep track of Tasks using **Go** to manipulate the **MongoDB** database using **CRUD** methods.
 - Integrated and connected **REST API** to **Swagger** to visualize and create user-friendly UI for performing CRUD requests
 - Operated **MongoDB** for data storage, ensuring a scalable and flexible database solution for efficient and quick retrieval of tasks.
- **Portfolio Website** | ivanroussev.com | [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, reaching **100%** coverage across all customer devices

Certificates



AWS Certified Cloud Practitioner - Amazon Web Services (AWS)

- Issued Nov 2023 - Expires Nov 2026

Technical Skills

Languages/Frameworks: Go, Python, JavaScript, SQL, CSS, HTML, ReactJS, Flask

Databases: MySQL, MongoDB, PostgreSQL

Developer tools/Containerization: Postman, Git, Linux, Bash, Jenkins, Docker, Kubernetes, Jira,

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

