Ivan Roussev

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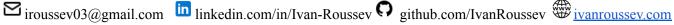
Education

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