Illia Chaban

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Summary

Full-stack developer with over 2 years of experience specializing in React, TypeScript, Python, Flask, SQL and NoSQL databases. Passionate about building scalable web applications and optimizing performance. Skilled in both front-end and back-end development, with a strong problem-solving mindset.

Education

AD **College of Transport and Computer Technologies**, Computer Science   Chernihiv, Ukraine
- **Coursework:** Software Foundations, Computer Architecture, Algorithms   2019 to 2023

Experience

HomeKlick GmbH, Fullstack Engineer, Full-time   Berlin, Germany
home-klick.de ↗   07.2023 to 11.2024
- Developed and maintained React and Next.js applications, optimizing component architecture for improved scalability and performance.
- Designed and implemented microservices in Flask, enhancing data management in PostgreSQL/MongoDB and streamlining business operations.
- Collaborated closely with the design team to convert complex requirements into responsive and user-friendly web interfaces.
- Implemented Cypress and Jest unit, integration and e2e tests, reducing production issues and improving application reliability.
- Dockerized applications and deployed them on Hetzner Cloud for seamless scalability.
- Actively used Jira for task management and ensuring timely project completion in an Agile environment.
- Led feature improvements that enhanced application usability and performance.

Projects

3D Konfigurator click ↗

The web-application designed for virtual exploration and customization of residential properties.

- Integrated OAuth2 authorization with Keycloak for secure user account management and authentication.
- Implemented functionality for saving, editing, deleting, and sharing configurations, enhancing user interactivity.
- Optimized the codebase for improved performance, responsiveness and scalability.
- Wrote unit, integration, and end-to-end tests using Cypress and Jest to validate application functionality and ensure reliability
- Actively collaborated with the backend team to ensure smooth feature integration and alignment.
- Configured and optimized an NGINX server for secure and efficient application deployment, including reverse proxying, SSL termination, and performance tuning.

Technologies: React, CSS, Docker, Nginx, Flask, Cypress, Jest

Admin panel

Admin panel for owners, builders and sellers of buildings.

- Developed a scalable frontend using React and TypeScript, ensuring a responsive and accessible user interface.
- Integrated Redux for state management and performance of the application by efficiently handling state updates.
- Integrated OAuth2 authorization with Keycloak.
- Designed and implemented a RESTful API microservice using Flask, enabling efficient data processing and management in PostgreSQL.
- Wrote unit, integration, and end-to-end tests using Cypress.
- Implemented role-based access control (RBAC) to manage user permissions and ensure secure access to different parts of the application based on user roles.
- Deployed the website on Hetzner.

Technologies: React, Typescript, Redux, MUI, CSS, Flask, Docker, Cypress

Technologies

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

Frameworks & Libraries: React, Next, Redux, Flask, Cypress, Jest

DevOps & Deployment: Docker, Nginx, Hetzner, Traefik, Portainer

Databases: PostgreSQL, MongoDB

Version control: Git, GitHub, GitLab

Communication

Languages: English(C1), German(A2), Russian, Ukrainian