

# Aleksandr Kross

## Profile

Software developer and first-year Master's student at CTU in Prague. Focused on frontend, backend, and full-stack development.

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### Email

alexkross@seznam.cz

### LinkedIn

linkedin.com/in/aleksandrkross

### Github

github.com/mathewtroy

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## Education

### Czech Technical University in Prague

*Master's Degree, Faculty of Electrical Engineering*  
Study Program: Open Informatics

Prague, The Czech Republic

June 2025 – Present

### Czech Technical University in Prague

*Bachelor's Degree, Faculty of Electrical Engineering*  
Study Program: Software Engineering and Technology

Prague, The Czech Republic

September 2021 – June 2025

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## Work experience

### Dům Dobrá

*Figma and Web Design Instructor (Part-time)*

Prague, Czechia

Jul 2024 – Apr 2025

- Introduced students to Figma design workflows, improving UI/UX fundamentals and practical prototyping skills.
- Conducted sessions on interface consistency and usability, encouraging design thinking.

### KCT Data

*SAP Developer (Full-time)*

Prague, Czechia

Jul 2024 – Aug 2024

- Developed SAP ABAP components to automate business data processing.
  - Collaborated with senior developers to understand enterprise-level software integration.
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## Projects

- **Candy Social App** — *JavaScript, React, Firebase, Cloud Firestore, Cloudinary*  
Developed a social web app with features for creating posts, liking content, searching for users, and admin moderation. The app was deployed on Firebase hosting.
- **Todo-List App** — *React, Firebase, Cloud Firestore, TailwindCSS, GitHub Actions (CI/CD)*  
Developed a task management web application with user authentication, task creation, editing, and filtering. Implemented real-time synchronization with Firestore and automated deployment to Firebase Hosting via GitHub Actions.
- **React Application Whiteboard** — *JavaScript, React, HTML, CSS*  
Developed an interactive drawing board with undo/redo, color selection, and brush sizes.
- **Vulnerability Detector** — *Python, PHP, HTML5, CSS3, JavaScript, MySQL*  
Developed a bachelor's thesis project focused on detecting vulnerabilities in PHP web applications. Created a demo vulnerable web app and an automated scanner to identify vulnerabilities.

- **Finance Mobile App** — *Kotlin, Jetpack Compose*  
Developed a mobile app for personal finance management, focusing on clean UI and usability.
  - **Website with Travel Packages** — *HTML, CSS, JavaScript, MySQL, PHP*  
Developed a full-stack travel booking site. Included secure login, XSS protection, password hashing, and responsive UI.
  - **EShop Testing** — *Java, Selenium, ACTS, PCTgen*  
Developed automated tests to verify functional workflows of an e-commerce platform.
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## Technical skills

**Languages:** Java (Spring), JavaScript (React), Kotlin, PHP, HTML, CSS

**Tools & Technologies:** Git, Docker, Linux, MySQL, PostgreSQL, Selenium, Figma, Firebase (Auth, Firestore, Hosting), GitHub Actions (CI/CD)

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## Soft skills

Communication, teamwork, problem-solving, adaptability, and continuous learning

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## Language skills

**English** – Professional working proficiency (B2)

**Czech** – Professional working proficiency (B2)

**Russian** – Native proficiency

**German** – Beginner (A1)

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## Volunteering

**IT Support Volunteer** — Silicon Hill, CTU Dormitory, Prague

Assisted new residents in connecting to the Silicon Hill network and troubleshooting internet issues.

**Event Assistant – VědaFest 2022 & 2024** — CTU, Prague

Helped organize a large-scale science outreach event for children, collaborating with a diverse international team.