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# RUWEN CHIEW

## PROFILE

BSc graduate in Business IT with hands-on experience building four frontend-focused web applications using modern technologies such as React, Tailwind, and JavaScript. Each project was independently developed to solve real-world problems, incorporating responsive design, API integration, and clean UI/UX principles. Fluent in English and German, with experience studying and living in Singapore. Currently seeking an entry-level position as frontend developer in a team that values quality, collaboration, and continuous growth.

## TECHNICAL SKILLS

**Programming:** HTML5, CSS, JavaScript, Java, MySQL

**Frameworks / Libraries:** React, Tailwind, Motion, Node.js, Express.js

**Tools:** MS Visual Studio Code, Figma, GitHub, MS-Office, Adobe (Photoshop, Premiere Pro, Lightroom), Canvas

**Others:** REST APIs, UX/UI Design, Usability Testing, Design Thinking, Agile Methodologies

## PERSONAL PROJECTS                                          [ View Web Portfolio ]

**Movies & TV Shows Web App - BingeBox**

**Tech stack:** HTML, JavaScript, React, Tailwind, Node.js, Express.js, API, AstraDB, Render

Built a responsive search and discovery app for trending/upcoming titles using the TMDB API.
- Implemented AI-powered recommendations via vector search using Cohere embeddings and DataStax AstraDB.
- Designed and developed both the frontend and lightweight backend to securely manage API requests.
- Stored favorites in localStorage, with genre-based browsing, and detailed title views.

**Weather Web App - Weather2Day**

**Tech stack:** HTML, CSS, JavaScript (Vanilla), Node.js, Express.js, API, Render

Built a sleek and responsive weather app to display current conditions based on IP geolocation or manual search.
- Focus on async requests handling and raw data formatting for improved user readability.
- Backend securely manages API keys and requests to Weather API.
- Includes smooth animations, debouncing, error handling, and recent searches saved in localStorage.

**Desk-Sharing Web App - Shareadesk**

**Tech stack:** HTML, CSS, JavaScript (Vanilla), Node.js, Express.js, API, Render

Developed a simulated desk-booking platform with extensive DOM manipulation focusing on raw JavaScript skills.
- Desk search with dynamic filtering, interactive map view, calendar export (.ics), and favorites using localStorage.
- Currency conversion via Exchangerate API and custom client-side routing fully built in vanilla JavaScript.
- Lightweight Express.js backend with JSON-based storage and CRUD operations (GET, POST, DELETE).

**Web Portfolio**

**Tech stack:** HTML, JavaScript, React, Tailwind, Motion, Netlify

Designed and developed a responsive portfolio site to showcase personal frontend projects and design skills.
- Clean UI with intuitive navigation, cohesive color scheme, and micro-animations for interactivity.
- Built with reusable React components, styled with Tailwind, and animated using Motion.
- Strong focus on clean code practices to ensure maintainability and scalability.

## EDUCATION

**BSc Business IT - University of Applied Sciences Eastern Switzerland**          [ Sep 2021 - Sep 2024 ]

**Final Grade:** 5.0 / 6.0

- Built a strong foundation in business and IT through coursework in Web Development, Databases, UX, Requirements Engineering, Marketing, Project Management and Business.
- Strengthened communication and collaboration skills through group projects and presentations.
- Collaborated on practical projects with real clients in digital strategy and marketing, utilizing agile methodologies and Trello for effective teamwork.

**Overseas Exchange Program - Nanyang Polytechnic School of Business Management**   [ Oct 2023 - Mar 2024 ]

**GPA:** 3.92 / 4.00

- Completed a 6-month overseas exchange program in Singapore, gaining academic and cultural experience in a fast-paced, tech-driven environment.
- Studied topics including Digital Marketing & Analytics, Digital Banking & Fintech, CRM & Design, Business IT & Spreadsheet Application and Entrepreneurship.
- Strengthened adaptability, independence, and cross-cultural communication through coursework and daily life abroad.

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## WORK EXPERIENCES

**Building Solution Engineer - Siemens Switzerland**          [ Aug 2020 - Feb 2021 ]

- Oversaw the full lifecycle of small HVAC automation projects, including schematic design, software programming, testing, and on-site deployment.
- Developed intuitive visualizations using Desigo Control Point to optimize user interfaces, applying UX principles similar to those in modern web applications.
- Programmed HVAC logic modules, with skills transferable to component-based web architectures like React.
- Experience working in agile projects with interdisciplinary teams, applicable to modern software development.
- Provided technical guidance for apprentices.

**Apprenticeship Automation Technician - Siemens Switzerland**          [ Aug 2016 - Aug 2020 ]

- Specialized in HVAC-focused electrical schematics using EPLAN Electric P8 (CAD).
- Programmed Desigo PX systems and gained experience with Siemens PLCs and LOGO! modules.
- Hands-on experience in electrical wiring and mechanical assembly.

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## LANGUAGES

**English:** Native / Bilingual

**German:** Bilingual

**French:** Conversational

**Chinese (Mandarin):** Basics (HSK2)

## CERTIFICATES

Bachelor of Science Business IT

Swiss Federal VET Diploma Automation Technician

CAE (C1), FCE (B2) - Cambridge English

Google Display Ads - Google/Skillshop

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## ADDITIONAL INFORMATION

Nationality: Swiss | Visa: Requires sponsorship

Family and personal ties to Singapore, previously lived and studied in Singapore during academic exchange at NYP