Curriculum Vitae

May 12, 2025
David Christ

■Work Summary

I have been programming for 11 years and have experience in most popular programming languages, but I specialize in JavaScript/TypeScript, HTML, CSS and Dart. I have worked with Python2, Python3, Objective-C, Swift, Java, PHP, C#, C and Rust in various environments.

I used PHP for home-automation at my job at Prointernet during high-school, connecting to KNX systems through IP-Symcon. I also voice-activated my own devices using Amazon Alexa when it first came out, setting up and using my own SSL-secured server with PHP as my backend language.

I used C# for system utilities and accessed those by writing PHP extensions. I used Rust and the yew framework to write a web wisywig no-code editor (Judit), including native 3D capabilities.

At my job at CJKI, I used Java to maintain Android applications and to write some miscellaneous console applications. For iOS apps I used Objective-C and Swift. For Flutter apps I used Dart and C through the FFI bridge. I used Python for various one-off scripts that would create, convert and format excel documents and various other data formats, for data testing and for various other tasks such as automation.

■ Expertise・Experience・Skills
・Programming of KNX home automation systems using IP-Symcon Modules and PHP
・Inventory control, stock replenishment, and warehouse management
・UI and UX design for landing pages, websites and applications
・Building apps in JavaScript, TypeScript, Dart and Rust (using Flutter, React, NextJS and Yew)
・Development of Flutter applications
・Development and maintenance of iOS applications written in Objective-C and Swift
・Development and maintenance of Android applications written in Java
・Identification and information gathering on key industry contacts
・Research and co-authoring of white papers and technical papers
・Project lead on creating compelling marketing material to successfully attract investors and support fundraising initiatives
・Technical lead on custom RAG systems
・Miscellaneous programs in Python and Java

■ Work History

2017/05～2018/04　　Prointernet GmbH & Co. KG			
Company Description: Web and home automation system development Number of Employees: ~15			Part-time home automation engineer
[Project Overview] ・Programming of KNX home automation systems using	Development Environment		Scale
	【Languages】		Single responsibility

| IP-Symcon Modules and PHP

[Responsibilities]
・Development - Concept, programming, testing

[Achievements]
・Successful implementation and maintenance automation solutions according to customer requirements | PHP, JavaScript, HTML, CSS

【Technologies and Tools】
IP-Symcon

【Operating Systems】
Windows, KNX | |

2018/06～2018/09 Rewe		
Company Description: Grocery store Number of Employees: ~400,000		Part-time employee
	Development Environment	Scale
[Project Overview] ・Inventory control, stock replenishment, and warehouse management [Responsibilities] ・Inventory management - Shelving, inventory management, product organization, stock replenishment [Achievements] ・Managed shelf inventory and prevented stockouts to ensure stable inventory	【Tools】 Clipboard, inventory lists, handwritten records	One of five team members

2018/09～2025/04 Freelancer		
Company Description: Web and app development Number of Employees: 1		Freelance
	Development Environment	Scale
[Project Overview] ・UI and UX design for landing pages, websites and applications ・Building apps in JavaScript, TypeScript, Dart and Rust (using Flutter, React, NextJS and Yew) [Responsibilities] ・Development - Project management, requirements definition, (UI/UX) design, development, testing, operation and maintenance, customer support, hosting management, DNS management, SSL management, deployment pipeline construction, DevOps, prototyping ・Marketing - Content creation, copywriting, proofreading and editing, document creation, visual design, schema creation, video production, client acquisition, marketing strategy support, brand message development, campaign planning, competitive analysis, document management	【Languages】 JavaScript, TypeScript, Dart, Rust, PHP, C#, Python3, HTML, CSS 【Frameworks and Libraries】 React, NextJS, Flutter, Yew 【Technologies and Tools】 NodeJS, Webpack, Vite, Bun, Docker,	Single responsibility

[Achievements] ・Prototyped an intuitive WYSIWYG editor using Rust and Yew ・Launched a website and Chrome extension, acquiring approximately 70 users ・Internationalization of a web3 Project ・Developed a SaaS for generating 3D AI Characters, leading to new client acquizursition	Supabase, Github Actions, Figma, GIMP, Photoshop, Adobe XD 【Operating Systems】 Linux, MacOS, iOS, Android, Windows 【Database】 Postgres	

2023/02～2025/03　　The CJK Dictionary Institute, Inc.		
Company Description: Dictionary and mobile application development Number of Employees: ~15		Full-time IT consultant

	Development Environment	Scale
[Project Overview] ・Development of Flutter applications ・Development and maintenance of iOS applications written in Objective-C and Swift ・Development and maintenance of Android applications written in Java ・Identification and information gathering on key industry contacts ・Research and co-authoring of white papers and technical papers ・Project lead on creating compelling marketing material to successfully attract investors and support fundraising initiatives ・Technical lead on custom RAG systems ・Miscellaneous programs in Python and Java [Responsibilities] ・Development - Project management, requirements definition, (UI/UX) design, development, testing, operation and maintenance, customer support ・Marketing - Content creation, copywriting, proofreading and editing, document creation, visual design, schema creation, video production, client acquisition, marketing strategy support, brand message development, campaign planning support, document management [Achievements] ・Created a marketing video that successfully attracted investors, supporting fundraising efforts ・Co-authored a research paper accepted at the international conference WACL4	【Languages】 JavaScript, TypeScript, Dart, PHP, C#, Python3, Python2, HTML, CSS, C, Objective-C, Java, Swift 【Frameworks and Libraries】 React, NextJS, Flutter, Yew, CJKIApp (in-house Framework) 【Technologies and Tools】 Docker, Supabase, Github Actions, Figma, GIMP, Photoshop, AWS, Firebase, GCP 【Operating Systems】 Linux, MacOS, iOS, Android, Windows 【Database】 SQLite	App development lead, marketing team member

・Maintained native iOS and Android applications to ensure compliance with App Store and Play Store requirements ・Implemented new functionalities in native apps in accordance with customer requirements ・Developed an app framework to facilitate rapid prototyping and app creation ・Rapidly designed, prototyped, programmed, and tested 3 applications for quick iterations		

■ Technical Skills

Type	Technical Skills	Level
Languages	JavaScript, HTML, CSS, TypeScript, Dart	Able to handle any case, write optimal code, and flexibly address complex issues
	Rust, Python3, Python2, Objective-C, Java	Able to flexibly address a variety of cases
	PHP, C#, C, Swift	Able to do basic programming
Technologies and Tools	IP-Symcon, Figma, GIMP	Able to handle any requirement, provide optimal solutions, and flexibly manage complex systems
	Webpack, Vite, Bun, Docker, Supabase, Github Actions, Photoshop, Adobe XD	Able to flexibly address a variety of requirements
	NodeJS, AWS, Firebase, GCP	Able to perform basic operations
Operating Systems	Windows, Linux	Proficient in advanced customization, scripting, automation, and skilled in system optimization and troubleshooting
	MacOS, iOS, Android	Able to perform advanced operations, including system management and optimization
	KNX	Able to perform common operations and execute routine tasks
Tools	Clipboard, inventory lists, handwritten records	Able to effectively use tools to perform tasks efficiently
Frameworks and Libraries	React, Flutter, CJKIApp (in-house Framework)	Able to use to their full potential and apply them for advanced problem solving
	NextJS, Yew	Able to effectively use, including extension and adjustment
Database	SQLite	Able to design optimal database structures, perform performance tuning, and execute complex queries

		efficiently
	Postgres	Skilled in database operations, efficient query writing, and data management

■ Self-PR

I learn incredibly fast. Whether it's new programming languages, a new codebase, new conventions or new skills entirely, I acquire knowledge and skills like no one else. At my job at CJKI, I was involved in marketing efforts and in charge of investor attraction projects, both of which were skills I acquired during the job; To the degree that I was in charge of attracting one of our most lucrative investment opportunities.

I am also incredibly dedicated to my work. I care about a job being done fast, efficiently and to a high degree of quality. I will go out of my way to ensure projects follow industry standards in both design and architecture, including proper documentation and ensuring a smooth UX and DX.

I am looking for a long-term workplace where I can be involved and in charge of various projects. I want to have the freedom to bring visions to fruition in a technically sound way. I hope my broad expertise and depth of experience will lead to the creation of something incredible!

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