**Ing. Jan Hřídel**

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**Senior software engineer | Frontend developer | University Lecturer**

*Crafting Modern Web Solutions with a Touch of Magic*

Senior Frontend Developer with extensive experience in creating user-focused, high-performance web applications that drive business success and enhance digital experiences. Expert in modern JavaScript frameworks, responsive design, and performance optimization. Adept at translating complex requirements into scalable, maintainable solutions while ensuring seamless integration with backend systems. Passionate about fostering the next generation of tech talent through teaching programming at the university level, instilling industry best practices and innovation. Mentoring junior developers, promoting collaboration, and aligning technology with business goals to achieve measurable impact. Committed to continuous learning and driving digital transformation with cutting-edge frontend technologies.

***Areas of Expertise***

Frontend Development | JavaScript Frameworks (React – Next.js, Vue, Angular) | TypeScript | Responsive Web Design | Cross-Browser Compatibility | Performance Optimization | State Management | RESTful API Integration | Frontend Architecture | UI/UX Design | Version Control (Git) | PostgreSQL Databases | PHP Development | Laravel Framework | Full-Stack Development | Agile and Scrum Methodologies | Testing and Debugging | Continuous Integration/Continuous Deployment (CI/CD) | Problem-Solving | Code Review and Best Practices | Collaboration with Cross-Functional Teams | Mentoring and Talent Development | Customer Experience Optimization | Documentation and Technical Writing

**PROFESSIONAL EXPERIENCE**

Senior frontend developer & Head of front-end

**Akcenta CZ, Prague, Czechia,** 03/2023 – 12/2024

* Led the frontend team in complex digital projects focused on payment services and financial technologies.
* Designed and implemented user-friendly solutions using modern JavaScript frameworks such as React, ensuring high performance and optimal user experience.
* Responsible for the architecture of frontend systems, ensuring scalability and long-term maintainability.
* Actively collaborated with backend developers to integrate RESTful APIs and ensure seamless communication between frontend and backend.

External Lecturer

**University of Pardubice – Faculty of Electrical Engineering and Informatics, Pardubice, Czechia,** 02/2023 – 09/2024

* Led programming lab sessions focused on C and C#, guiding students through hands-on exercises and real-world coding challenges.
* Taught fundamental programming concepts, including algorithms, data structures, and object-oriented programming (OOP) principles.
* Provided students with individualized feedback, helping them improve coding skills and problem-solving abilities.
* Created and maintained course materials, including lab assignments, project guidelines, and instructional resources.
* Assisted students in debugging code and troubleshooting issues during lab sessions, ensuring a practical understanding of key concepts.

Software Developer

**KENDAXA Group, Prague, Czechia,** 10/2017 – 12/2021

* Developed and maintained frontend applications using Angular and React for employee management and shift scheduling software, tailored for European clients.
* Worked on a document management system for handling scanned insurance contracts, ensuring smooth user interactions and efficient data processing.
* Collaborated closely with backend developers to integrate RESTful APIs and ensure seamless communication between frontend and backend services.
* Optimized frontend performance, enhancing load times and responsiveness for complex data-driven interfaces.
* Designed and implemented responsive user interfaces, ensuring cross-browser compatibility and a consistent user experience across devices.
* Participated in regular code reviews and applied best practices to improve code quality, maintainability, and scalability.

Web Developer & Lead Developer

**HyperMedia a.s, Prague, Czechia**, 01/2015 – 10/2017

* Led the development and maintenance of high-traffic classified ad web portals, among the top-visited websites in the Czech Republic.
* Collaborated with cross-functional teams to design, build, and scale robust, user-friendly platforms that handled millions of daily visitors.
* Designed and implemented key frontend features using modern web technologies, optimizing performance and user experience for diverse device types.

**Prior Experience:**

Teacher & Researcher

University of Pardubice, 04/2012 – 09/2017

Full-stack web developer

Freelancer, 2009 – present

**EDUCATION & CERTIFICATION**

UNIVERSITY OF PARDUBICE,  
FACULTY OF ELECTRICAL ENGINEERING AND INFORMATICS | **Information Technology** |Master’s degree, 2007–2009

UNIVERSITY OF PARDUBICE,  
FACULTY OF ELECTRICAL ENGINEERING AND INFORMATICS | **Information Technology** |Bachelor’s degree, 2004–2007

**Certifications:**

Business Success| **Schopnosti vůdce / Leadership**, Issued: 07/2014

**PROJECTS**

March 2013: Supervised the theoretical part of a thesis focused on the creation and implementation of responsive design for the homepage of Czech TV (www.ceskatelevize.cz), guiding the student through best practices and modern web development techniques.

**PUBLICATIONS**

* KARTÁK, Š. - HŘÍDEL, J. The software tool for configuring the distributed simulation models using a web-based simulation. 2013, <http://fei-software-public.upce.cz/software/item/id/39870103>.
* HŘÍDEL, J. - KARTÁK, Š. Web-based simulation in teaching. In The European Simulation and Modeling Conference 2013. Ostend: EUROSIS-ETI,2013. s. 109-113. ISBN 978-90-77381-79-3.
* KARTÁK, Š. - HŘÍDEL, J. The implementation options for the web-based distributed simulation. Elektrorevue, 2013, vol. 15, no. 6, p. 1-8. ISSN: 1213-1539.
* KARTÁK, Š. - HŘÍDEL, J. The Software support of web-based distributed simulation applying Java applets and network socket communication. 2012, <http://fei-software-public.upce.cz/software/item/id/39867848>.
* HŘÍDEL, J. - KARTÁK, Š. Web as a platform for simulation. Elektrorevue, 2012, vol. 2012, no. 69, p. 1-8. ISSN: 1213-1539.