

## **MATTI KIVIHARJU**

### **Expert Full-Stack Developer and Software Architect**

#### **Contact Information:**

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#### **Freelance Availability:**

- Available exclusively for freelance work through my company.
- Hourly rate: €95 (excluding VAT) + VAT 24%.

#### **Education:**

- **TAMK**
  - 2007 - 2014
  - Bachelor's Degree in Business and Information Technology.
- **IKOL**
  - 2003 - 2006
  - Vocational Qualification in Business Information Technology (BIT).

#### **Professional Experience:**

##### **i4ware Software, Entrepreneur and Founder**

- *2004–Present*
- Leveraged 18 years of entrepreneurial experience as a private trader, demonstrating CEO-level leadership.
- Successfully collaborated with top-tier Fortune 100 companies, including Red Hat, Inc., Canonical Ltd, Microsoft, Cisco Systems, Inc., Vodafone, and others.

#### **App Development and Sales Expertise:**

- Spearheaded the development and distribution of self-created apps in the Atlassian Marketplace since 2012, achieving remarkable success.
- Streamlined app installation through cloud-based deployment or fully functional cloud-based applications, eliminating local software installation requirements.
- Ensured app security in compliance with Atlassian Pty Ltd's stringent requirements.
- Proficiently configured SSL certificates with A to A+ security ratings, ensuring data protection. (SSL test proof: <https://www.ssllabs.com/ssltest/analyze.html?d=mattikiviharju.i4ware.fi&hideResults=on>)
- Expertly configured Postfix/Courier/ClamAV/SpamAssassin for AI-based anti-spam in Ubuntu Server 20.04 LTS with MySQL/PostgreSQL databases.

#### **Software Security Expertise:**

- Demonstrated extensive knowledge in software security, proficiently identifying and addressing vulnerabilities, including SQL injection and code inclusion.
- Mitigated potential risks posed by hackers, ensuring unauthorized root access to Virtual Private Servers (VPS) was eliminated, tampering with sudoers was prevented, and server-wide destruction was averted.
- Recognized and acted upon potential VPS misuse risks, preventing potential DDoS attacks against other organizations.

### Technical Proficiency:

- Proficient in working with Amazon Web Services (AWS), optimizing server usage to manage expenses effectively.

### Key Achievements:

- Played a pivotal role in planning the UML/ERD modeling tool for Siemens Polarion ALM software in 2010-2011.
- Official proof of involvement available at:  
<https://blogs.sw.siemens.com/polarion/requirements-diagramming-with-gliffy-and-polarion-alm/>

### Skills:

- Ubuntu Server, Red Hat Enterprise Linux, MySQL, PostgreSQL, PHP, Laravel, React, TypeScript, CSS, HTML, J2EE, Tomcat, JSP, Velocity, Spring Boot, C#, XML, AJAX, REST, RESTful, JSON, JSONP, JavaScript.

### Projects and Work Samples:

- 1. Infinite Scrolling Photobrowser App**
  - Developed a React App using JSONPlaceholder sample database.
  - Public demo: <https://infinite.i4ware.fi/>
  - Source Code: <https://github.com/foghorn-hash/infinite-scrolling-photobrowser>
- 2. Photobrowser App**
  - Created a React App using JSONPlaceholder sample database.
  - Public demo: <https://photobrowser.i4ware.fi/>
  - Source Code: <https://bitbucket.i4ware.fi/projects/PHOT/repos/photobrowser/browse>
- 3. Users and Their Details App**
  - Developed an app using React and JSONPlaceholder public sample database.
  - Public demo: <https://integrify.i4ware.fi/>
  - Source Code: <https://github.com/foghorn-hash/integrify-pre-task-app>
- 4. i4ware - SDK**
  - Contributed to a closed-source SDK for customized ERP systems and software development.
  - Technologies: React, React Redux, React Native, React Bootstrap, MySQL, PostgreSQL, Laravel, PHP.
  - Public demo: <https://saas.i4ware.fi/#/>
  - No source code available in public GIT repositories.
- 5. Timesheet for Jira Server**

- Created a time-tracking tool for Atlassian Jira using Java EE, Atlassian SDK, Maven 3, Ext JS, Java Servlet.
  - Information: <https://marketplace.atlassian.com/apps/1223446/timesheet-for-jira?tab=overview&hosting=server>
6. **Timesheet for Jira Cloud**
- Developed a time-tracking tool for Atlassian Jira Cloud using Zend Framework, PHP, Ext JS, JavaScript, HTML, CSS, and REST.
  - Information: <https://marketplace.atlassian.com/apps/1223446/timesheet-for-jira?tab=overview&hosting=cloud>
7. **Requirements Diagramming**
- Contributed to ER/UML diagramming tool for Polarion ALM.
  - Technologies: Gliffy REST API, Polarion SDK, JSP, Java EE, Java Servlet, Ext JS, REST.
  - Information: <https://extensions.polarion.com/extensions/92-i4ware-requirements-diagramming-with-gliffy> and <https://blogs.sw.siemens.com/polarion/requirements-diagramming-with-gliffy-and-polarion-alm/>

## Glossary:

**Junior Full-Stack Developer:** A Junior Full-Stack Developer typically has foundational knowledge and experience in various technologies and programming languages. They are in the early stages of their career and may require guidance and mentorship as they continue to develop their skills.

**Senior Full-Stack Developer:** A Senior Full-Stack Developer has accumulated several years of experience and has demonstrated expertise in a range of technologies. They can work independently on complex projects, provide technical leadership, and mentor less experienced team members.

**Expert Full-Stack Developer:** An Expert Full-Stack Developer possesses extensive experience, often spanning more than 15 years, and has a deep understanding of various technologies and best practices. They are capable of solving intricate technical challenges, architecting complex systems, and providing strategic guidance.