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Farhad Karimi



Software developer · Java & Spring Boot · system integration

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20+ years of experience

17 projects

7 industries

Languages

German (proficient), English (advanced), Persian/Farsi (native), Turkish (basic)

IT skills

Java 17, Spring / Spring Boot, Spring Security 6, Hibernate, JSF, JSP, Thymeleaf, web services, RESTful web services, REST, SOAP, OpenAPI/Swagger, React, Node.js, JavaScript, TypeScript, Flow, HTML, CSS, SASS, jQuery, Objective-C, SQL, PL/SQL, JUnit, JSON, YAML, XML, Bash, UML, Apache POI, Tomcat, Git, Subversion, CVS, Maven, Gradle, Jenkins, Ansible, Docker, Kubernetes, Minikube, Helm

Tools

IntelliJ IDEA, YouTrack, GitLab, Jira, Confluence, NetBeans, Eclipse, VS Code, Vim, tmux

Methods & processes

Scrum, Kanban, Extreme Programming, waterfall, OOP, SOLID, clean code, TDD, design patterns, SaaS

Databases

Oracle, PostgreSQL, MySQL, Sybase, MongoDB, IndexedDB

Operating systems

macOS, Linux, Windows, iOS

Hobbies

Chess, travel, music, books

Industries

>10 years IT services
5-7 years Telecommunications (incl. hosting)
5-7 years Media - news portal
3 years Public sector / nature conservation
1-3 years E-business, online shop
1-3 years Social media
1-3 years Games, utilities, simulation

Profile

For more than 20 years I have been building robust, scalable and maintainable software solutions with modern Java technologies such as Spring Boot, Hibernate and the like.

I am particularly fascinated by system integration and by the question of how Java architectures can stay understandable and extensible even after many years.

Clean code quality, sustainable software architecture and good teamwork matter most to me.

I am convinced: good software is not created by code alone - but through communication, understanding and reliability.

Projects & career

Jan 2023 - Jul 2025 Senior Software Developer/System Architect
· Public sector / nature conservation

Modernisation and extension of a data management system

In this project, the client's existing data management system was completely modernised. The goal was to fundamentally improve both the technological foundation and the usability of the system and to make it future-proof.

- › Complete re-implementation of the system architecture
- › Performance and usability optimisation
- › Introduction of a dedicated user management system
- › System initialisation with check and reference data
- › Flexible configurability

Java Spring Spring Boot Spring Security 6 Thymeleaf React
PL/SQL REST SQL Tomcat JavaScript IntelliJ IDEA Kanban
YouTrack Oracle Database Graph data models YAML Maven UML
Apache POI JWT JUnit GitLab CI/CD bash Git

Feb 2021 - Jun 2022 Senior Software Developer
· Telecommunications

Contribution to a successful system integration and extension of the existing architecture

As part of the extension of the existing business system landscape, I made a key contribution as a software developer to the successful integration of new modules and to ensuring compatibility with existing system components.

- › Design, development and delivery of new components
- › Middleware development for system integration
- › Interface alignment with external services
- › Requirements gathering and API design
- › Ensuring compatibility through middleware logic

Java Spring Spring Boot REST SOAP SQL Sybase SAP IntelliJ IDEA UML JUnit Mockito Kanban Git

May 2020 - Feb 2021 Backend development, DevOps, business analyst · Telecommunications (hosting)

Middleware development for system decoupling as part of an access carve-out

In a long-term access carve-out project for Europe's largest hosting provider, I played a key role in developing a middleware. The goal was to decouple existing legacy systems from the access of various hosting clients to central billing systems.

- › Development of a middleware component
- › REST API extension
- › System analysis
- › Quality assurance
- › Independent work

Java Spring Spring Boot JAXB Jackson Go REST SOAP OpenAPI Swagger XML JSON Docker Tomcat
Ansible Go Pipelines SAP Sybase PostgreSQL SQL Bitbucket Git Vim tmux IntelliJ IDEA Kanban Jira
Confluence JUnit Mockito UML Jenkins

Apr 2018 - Apr 2020 Backend development and DevOps · Media/news portal

Development of an MVP news portal with EidosMedia CMS

In an agile development project, I was involved in the design and implementation of a minimum viable product (MVP) for a web-based news portal. The technical foundation was the EidosMedia CMS, complemented by a custom-built backend solution.

- › CMS-based MVP development
- › CMS data integration in the backend
- › Extension of the API & data models
- › Data migration with Spring & Hibernate
- › DevOps tasks

Java Spring Spring Boot Maven Gradle XML JSON XSLT Git GitLab Docker Kubernetes Google Cloud
Minikube Helm Brigade Jenkins Ansible GitLab CI/CD Apache Kafka PostgreSQL MongoDB Scrum Jira
Confluence

Oct 2017 - Apr 2018 Fullstack Developer · Telecommunications (hosting)

Re-implementation of a CMS-based news portal with React/TypeScript

As part of an extensive modernisation project, an existing news portal was completely re-implemented. The existing features of the CoreMedia system (Java-based) were rebuilt in the target system with modern web technologies.

- › Complete re-implementation of the frontend
- › UI component development and customisation
- › Extension of the React Slate editor
- › Modern web development
- › Containerisation with Docker

React TypeScript JavaScript jQuery HammerJS SnapJS HTML CSS SASS Webpack Node.js CoreMedia Velocity
TOIScript JSON GraphQL PostgreSQL MongoDB Docker Minikube Helm Git Jira Scrum

Aug 2017 - Oct 2017 Fullstack Developer · Media/news portal

Prototype of a news portal CMS with Livingdocs, NodeJS and AngularJS

In a prototype development project, a new CMS-based news portal was built on Livingdocs. The goal was to re-implement key features of the existing CoreMedia system (Java-based) in a modern web architecture with NodeJS and AngularJS.

- › Re-implementation on a modern architecture
- › UI component development and customisation
- › Backend extension
- › Web development
- › Testing & performance optimisation

CoreMedia Velocity TOIScript NETBisquits HTML CSS SASS JavaScript jQuery HammerJS SnapJS PHP
Node.js JSON Git

Jan 2014 - Aug 2017 Frontend Developer · Media/news portal

Re-implementation of a smartphone-optimised web portal based on CoreMedia

In this project, a web portal was completely re-implemented and optimised specifically for mobile devices. The technical foundation was the CoreMedia CMS, on which all modules and templates were developed. The goal was to deliver a fast portal that works across devices.

- › Mobile-first re-implementation
- › Template development in the CMS
- › JavaScript implementation without jQuery Mobile

CoreMedia Velocity TOIScript NETBiscuits HTML CSS SASS JavaScript jQuery HammerJS SnapJS Java PHP JSON Git

Aug 2013 - Jan 2014 Fullstack Developer · IT services

Introduction of WordPress as a multichannel CMS for the company website

In this project, WordPress was introduced as the central multichannel content management system for the company homepage. The goal was to provide a flexible, easy-to-maintain solution that integrates with existing social media channels.

- › Concept and technology selection
- › Technical implementation & template development
- › Multichannel integration

HTML CSS JavaScript jQuery jQuery Mobile Bootstrap SASS PHP SVN

Jan 2013 - Aug 2013 iOS Developer · IT services

Development of an iOS app for creating HTML documents and charts

In this project, an iOS application for the iPad was designed and implemented that lets users create HTML-formatted content and charts in a simple and intuitive way and send them by email.

- › WYSIWYG editor
- › Chart creation
- › HTML template management

Objective-C Cocoa Touch Git

Apr 2012 - Dec 2012 Frontend Developer · IT services

Frontend development for web and mobile shops in music e-commerce

In an agile Scrum process with three-week sprints, I played a key role in frontend development for web and mobile shops. The goal was to improve the user experience and provide new features for music lovers.

- › Development of a configurable slideshow
- › YouTube API integration
- › Responsive frontend development

Java Groovy Grails EJB xHTML HTML JavaScript jQuery jQuery Mobile CSS NetBeans Scrum Jira QualityCenter

Dec 2011 - Apr 2012 iOS Developer · App/music

Gig Asker - iOS puzzle game based on the music library

Gig Asker is an entertaining iPad app offering an interactive music quiz based on the user's personal music library. The app plays random samples based on tags such as artist, album or track, and the user has to pick the correct album cover as quickly as possible.

- › Complete app development
- › Integration of iOS system features
- › iAd advertising

Objective-C Xcode iOS

Jun 2010 - Nov 2011 **Bash scripting, frontend development** · E-business, online shop, media

Cross-platform music service with Songbird integration

In the 360 Music project, a cross-platform service for managing, buying and synchronising music was developed – comparable to Apple iTunes. The technical foundation was the open-source music client Songbird, extended with custom-built plugins. The goal was a comprehensive music solution for desktop and mobile platforms.

- › Development of Mozilla/Songbird plugins
- › Cross-platform synchronisation
- › Installers for macOS & Windows

Shell Scripting MSI Objective-C JavaScript jQuery Songbird Developer Tools Scrum Jira QualityCenter

Nov 2009 - Jun 2010 **Backend Developer** · E-business, online shop

Development of a Europe-wide customer, press and marketing portal

In this project, a company-wide content management portal was developed for several business units (Home Entertainment, Computer Systems, Lighting). The goal was to provide information centrally to end customers, press representatives and marketing partners across Europe.

- › End-to-end system development
- › Service-oriented system integration
- › Technical assessment of requirements

macOS Windows Eclipse TOAD Java Java EE Spring jBPM Shell Scripting REST JavaScript Tomcat XML
XSD XSLT Maven Alfresco ECMS MySQL

Jul 2009 - Nov 2009 **iOS Developer** · Social media

Development of a social media app for iOS

The goal of the project was to develop an iOS app that brings together content and features of several social networks in a single user interface. The app combined Facebook, Twitter and MySpace in one consolidated stream focused on status updates, photo posts and search.

- › Multichannel integration
- › Status updates and photo posts
- › UI development to design specifications

Objective-C iOS SDK OAuth Facebook API Twitter API Twitpic API Webservices

Apr 2009 - Jul 2009 **iOS Developer** · Games, utilities, simulation

ChessBoxApp & ChessBoxAppHD – iOS chess apps with clock, position and game management

In this project, a three-part chess app for iOS was developed, consisting of a chess clock, a tool for recording and managing chess positions and an extension to complete games. The app was published in the Apple App Store by telexiom AG.

- › Complete app development (frontend & backend)
- › Chess clock simulation
- › Chess position and game management

Objective-C iOS SDK

Oct 2008 - Dec 2008 **Backend Developer** · Telecommunications

Documentum DMS with barcode functionality for a telecommunications provider

In this project, the Documentum enterprise content management (ECM) software was introduced for a leading telecommunications provider. The goal was to create a central solution for capturing, managing, storing, preserving and delivering documents and content – differentiated by user roles and permission levels.

- › Content lifecycle management
- › Role-specific access
- › Information delivery

Java EE Tomcat Documentum DMS VMware

Jan 2004 - Apr 2008 Java Developer · Telecommunications

Product development of a telecommunications solution for the intercarrier business and process optimisation

In the development of a specialised industry solution for the intercarrier business of several telecommunications companies, I was involved in implementing various system components. The goal was to increase process efficiency, automate workflows and create a robust technical foundation for cooperation with other carriers.

- › Frontend workflow design and implementation
- › Persistence layer maintenance
- › Testing and test automation

Windows Linux Eclipse TOAD Tora Java EE EJB Struts Hibernate Ant HTML DHTML AJAX JavaScript UML
Oracle Database PL/SQL XML