Senior Full-Stack Java Developer - Halil İbrahim Küley

Full-Stack Java Developer with 12+ years of experience, seeking contract roles to architect and develop robust, scalable web applications.

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Educations & Official Certifications & Expertise of Areas

- Bachelor's Degree: Anadolu University, Computer and Information Sciences, General 2009 – 2013
- Oracle Certified Professional: Java SE 11 Developer
- AWS Certified Solutions Architect – Associate
- AWS Certified Developer – Associate
- AWS Certified Cloud Practitioner

- **Principles**: CQRS, SOLID, SOA, OOP, DDD, TDD, REST
- **Backend**: Java (8, 11, 17), Kotlin, JVM, Java EE/Jakarta EE, JPA, Hibernate, Eclipselink, Spring Framework (Core, Boot, MVC, Data, Security, Cloud), JAX-RS, JAX-WS, EJB
- **Utility Libraries**: Apache Commons (Lang, IO, Collections,), Guava (Collections, Cache, Primitives)
- **Build Configuration**: Maven, Gradle, XML, JSON, YAML
- **Testing**: JUnit, Mockito, Log4j, JMeter, Jacoco, Integration Testing, Unit Testing
- **Cloud & DevOps:** AWS (EC2, EKS, CloudWatch, S3, Lambda, RDS), Docker, Kubernetes, Knative, CI/CD (CircleCI, GitHub Actions, Bitbucket Pipelines), Terraform, Git, GitHub, Bitbucket
- **Brokers & Tools:** Apache Kafka, ActiveMQ, RabbitMQ, AWS SNS, AWS SQS, Linux/Unix, iTerm, VIM
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis, DynamoDB, Snowflake
- **Front-End:** TypeScript, JavaScript (ES6+), React.js, React Hooks, Redux, Saga, Redux-Thunk, HTML5, CSS3, Tailwind CSS, Ant Design, Bootstrap, Figma, jQuery, Vue.js, npm, yarn, Webpack, Vite, Angular 16, RxJS, D3

Work Experiences

Revsolz, *Contractor*

Senior Full-Stack Java Developer   *04/2024 - 11/2024*

- Maintained and contributed to the development of web applications (TWM, OWM, FDI and ML) customized to the specific needs of the Oil and Gas Industry.
- Implemented a high-throughput, real-time data pipeline to process and store the massive volume of well data generated by FracSol OWM's wireless sensors, including millions of well and stage type data points per second. Utilized Spring, Kafka, Redis, and MongoDB to ensure efficient data ingestion, transformation, and storage for real-time well monitoring and analysis (OWM-STREAMING).
- Integrated third-party data providers from public oil and gas services in OWM
- In the TWM, Module Designed and implemented Spring Boot-based a bunch RESTful API services to generate custom CSV reports, utilizing complex MongoDB queries to retrieve and transform well-specific data (fract channel values) from a large-scale database with frontend support using Angular, TypeScript and RX.
- Developed unit and integration tests for CSV and all chart APIs (covering well, stage, and wireline data types) to ensure seamless and accurate handling of business logic in TWM module.
- Developed RESTful APIs with frontend components to visualize frac-channels of stage for selected well in TWM
- For the new modules in OWM and FDI, contributed to existing CI/CD pipelines in Bitbucket to automate build and deployment processes for backend and frontend applications, using Docker Compose for configuration
- In the FDI module, implemented various scheduled jobs to generate CSV reports based on business logic, saving these reports to designated S3 buckets for Oil & Gas clients. Handled thousands of rows per second using Java DTO objects, entities, Spring Scheduler and advanced MongoDB queries.
- Developed and contributed to user-friendly interfaces, components, and charts using Angular, RxJS, and TypeScript for all of modules (TWM, OWM, FDI and ML)

Technical Skills: Java 17, Spring Boot Modules (Core, Rest, MVC, Data, Security), MongoDB, Quartz, Gradle, AWS Services, RDS, S3, EKS, Secret Manager, Bitbucket Pipelines CI/CD, Apache Kafka Topic and Redis, TypeScript Angular, RX, D3, React, Redux-thunk, React-router, and Tailwind CSS

Hologram Sciences, *Contractor*
Senior Full-Stack Java Developer   *03/2021 - 05/2024*

- Worked in Health and Wellness industry developing innovative solutions for personalized nutrition, fitness tracking, and health coaching platforms serving 50K+ users across mobile and web applications
- Developed and contributed to key microservices (auth, meal-planning, recommendations) supporting multiple health platforms Phenology (IOS, Android, Website), Opti-journey and d.velop(IOS, Android, Website), using Spring Boot ecosystem, Hibernate/JPA, Redis, Kafka, PostgreSQL, TypeScript, React and Redux
- Developed an intelligent meal planning system incorporating:
  - Complex nutritional calculations and dietary preferences
  - Restaurant menu analysis and USDA food database integration
  - Machine learning-based recipe recommendations (Open AI powered)
  - Automated meal scheduling with customer preferences
- Built advanced health analytics features:
  - Real-time weight change forecasting, health assessments, immunity scoring and nutrient tracking
  - Integration with medical lab results (Omega Quant)
  - Sleep and activity monitoring with Fitbit/Apple HealthKit APIs
- Implemented secure payment processing systems for iOS/Android:
  - Apple App Store and Google Play Store integration, receipt verification and purchase validation
  - Subscription management and tracking
- Created a modular customer assessment system:
  - Dynamic questionnaire flow, personalized health recommendations
  - Integration with e-commerce (Shopify), Automated coaching responses
- Designed RESTful APIs handling 100+ endpoints for user management, coaching services, and real-time messaging
- Implemented CI/CD pipelines using Maven and GitHub Actions, streamlining the development process.
- Wrote unit and integration tests using JUnit, ensuring code quality and reliability.

Technical Skills: Java 8/11/17, Spring Boot Modules (Core, MVC, Data, Security), JPA/Hibernate, Quartz, Maven, AWS Services, RDS, S3, EKS, Secret Manager, GitHub actions for CI/CD, Apache Kafka Topic and Redis, TypeScript React, Redux-thunk, React-router, and Tailwind CSS

Ava, *Contractor*
Senior Full-Stack Java Developer   *04/2019 - 03/2021*

- Worked in Health and Wellness industry and worked on AVA (web/IOS/Android)
- Architected and developed core microservices for a health and wellness platform serving 20K+ users
- Built key features and services:
  - Health data synchronization with Apple HealthKit and Fitbit APIs for activity and sleep tracking
  - Subscription management system integrated with Recharge and payment providers
  - Real-time messaging system between coaches and customers using WebSocket
  - Medical assessment engine with dynamic questionnaire flows
- Implemented secure REST APIs for:
  - User authentication, authorization and coaching session management
  - Customer profile management, Health metrics tracking (weight, sleep, activity, nutrition)
- Designed and optimized PostgreSQL database schemas for efficient health data storage and retrieval
- Created comprehensive test suites using Junit, Mockito, Jacoco and Jmeter achieving 85%+ code coverage
- Integrated third-party services:
  - Contentful for content management, Shopify for e-commerce capabilities
  - AWS services (S3, RDS, EKS) for cloud infrastructure
- Led migration from monolithic to microservices architecture improving system scalability
- Mentored junior developers and conducted code reviews to maintain code quality
- Established CI/CD pipelines using CircleCI reducing deployment time by 40%
- Developed React/Redux frontend components for health tracking dashboards
- Implemented data synchronization between mobile apps and backend services

Technical Skills: Java 8, Java EE, Spring Modules (Core, MVC, Data, Security), JPA/Hibernate, Quartz, Maven, AWS, RDS, S3, EKS, Secret Manager, CircleCI for CI/CD, ActiveMQ, Redis, TypeScript React, Redux-thunk, and Tailwind CSS

Ericsson, *Permanent*
Senior Full-Stack Java Developer   *08/2016 - 08/2018*
- Contributed to mission-critical enterprise applications for Turkcell, one of Turkey's leading mobile phone operators(Turkcell, Vodafone and Turk Telekom).
- Designed and developed scalable RESTful APIs for the Turkcell Partner Portal using Spring Boot and Java, enabling partner registration and order management systems that integrate with various internal services. Implemented using Spring Security, JPA/Hibernate, and MySQL.
- Architected and implemented authentication and authorization solutions including SSO integration for Turkcell employees using Spring Security, JWT tokens, and OAuth2 protocols. Integrated with enterprise identity management systems.
- Led backend development for the Turkcell Partner Portal, creating robust monolithic architecture using Java 8+ features, Spring ecosystem, and implementing event-driven architecture using Apache Kafka for real-time order processing.
- Developed core business logic and data access layers for partner management and order processing systems using Java design patterns, Spring Framework's dependency injection, and JPA repositories with MySQL.
- Implemented comprehensive unit and integration testing using JUnit, Mockito, and Spring Test framework. Established CI/CD pipelines using Jenkins and Maven for automated testing and deployment.
- Technical expertise: Java 8+, Spring Boot, Spring Security, JPA/Hibernate, MySQL, RESTful APIs, Microservices architecture, Maven, JUnit, Jenkins, and enterprise integration patterns.

Proarge, full-time
Senior Full-Stack Java Developer   *08/2015 - 08/2016*
- Contributed to the "Music Content Management Systems" project by implementing and exposing RESTful APIs to major streaming services like Spotify, Apple Music, and Turkcell Music, using Spring Boot and Java technologies.
- In the "Music Content Management Systems" project, developed RESTful APIs to allow content creators to upload, categorize, and edit music tracks along with associated metadata, leveraging Spring MVC and Hibernate.
- Developed user interfaces and modular web components in the "Music Content Management Systems" project, enhancing user interaction and functionality with Java-based frameworks.
- Contributed to the launch of Kaft.com by designing scalable RESTful APIs that handle over 100,000 transactions per week and by creating user-friendly interfaces with Java-based web frameworks.
- Built automated reporting pipelines using Java, Spring Batch, and complex SQL queries, streamlining detailed report generation.
- Implemented automated deployment processes using shell scripting and Java-based tools, such as Maven and Jenkins, for seamless deployment across production and development environments on Linux.

ID3, full-time
Full-Stack Java Developer   *08/2013 - 08/2015*
- Played a key role in developing data-river project, TMAN and TMAN-MOBILE a ground turnaround management system used by major airlines like Turkish Airlines (THY) and Pegasus
- Contributed to backend development of airline operations management systems (TMAN & data-river) using Java/Spring Boot, implementing core features including RESTful APIs for flight operations data and real-time monitoring, authentication and session management, integration with Oracle DB for data persistence, Redis for caching and performance optimization, and ActiveMQ for real-time data streaming.
- Built responsive web interfaces using modern frontend technologies by developing reusable UI components for operational dashboards, creating interactive data visualization for flight reports, implementing secure login and user management features, and integrating frontend with RESTful backend services.
- Engineered hotel management system (HMAN) used by major airlines by designing and implementing full-stack booking platform with Java/Spring Boot, creating dynamic frontend with comprehensive hotel listings, developing user registration and account management features, and implementing RESTful API integration between frontend and backend.
- Contributed to cross-platform mobile development by developing hybrid mobile application (TMAN-MOBILE) using Apache Cordova, integrating with backend services for real-time ground operations, implementing offline data synchronization capabilities, and optimizing performance for tablet devices.
- Developed dynamic web pages and reusable components, integrating with RESTful APIs for seamless data exchange between the user interface and server.

ciceksepeti.com, full-time
Full-Stack Software Developer   *03/2013 - 07/2013*

- Contributed to front-end development at ciceksepeti.com, a major online flower delivery and logistics enterprise, by creating responsive web interfaces for an enhanced user experience.
- Translated design mock-ups into functional web pages using Java technologies, integrating Java-based frameworks with JavaScript, jQuery, HTML, and CSS, aligning with the main website's aesthetic and functional requirements.
- Developed RESTful APIs to support dynamic data fetching in web components, utilizing Spring MVC alongside AJAX, and participated in sprint planning, retrospectives, and daily stand-ups to align with project goals and team strategies.
- Converted Photoshop mock-ups into functional HTML pages and components, utilizing JavaScript, jQuery, HTML, and various CSS frameworks for the main web site which is ciceksepeti.com
- Implemented RESTful APIs in HTML pages and components to facilitate dynamic data fetching, employing AJAX and Angular.js technologies, and worked closely with team members during on-site meetings for sprint planning, retrospectives, and daily stand-ups.

İyi Fikir İnteractive Technologies, full-time
Full-Stack Software Developer   *01/2012 - 02/2013*

- Contributed to the Yeploca startup project by developing both a mobile app and an admin management panel to support food delivery operations in Istanbul, employing Java and Spring Boot for backend services.
- Developed interactive e-commerce features, including order pages, order history, and user authentication (sign-up and login), using Java, Spring Security, and Thymeleaf for dynamic and secure web pages.
- Created a user-friendly admin panel for product management, implementing intuitive interfaces for product registration, deletion, and updates using Java-based frameworks and JSP
- Built RESTful APIs with Spring MVC to enable efficient data exchange between the front-end and back-end systems, and used Postman for comprehensive API validation and testing.
- This approach highlights your back-end work with Java and Spring while adapting your front-end contributions for a full-stack Java role.