Kaan **Keskinsoy**
Computer Science and Media B.Sc.

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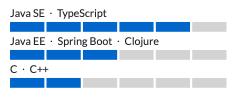linkedin.com/in/Kaan-Keskinsoy

Languages

German (first language)
Turkish (first language)
English (fluent)

Hobbies

Weight training
Cooking

Skills

Programming Languages

Java SE · TypeScript

Java EE · Spring Boot · Clojure

C · C++

Databases

SQL · MongoDB · Redis

Web Technologies

Node.js · Express.js · Angular

HTML · CSS/SCSS

Docker

Mobile App Development

Android · Ionic

Swift

Education

Hochschule der Medien
Stuttgart
03/2019 - Today

Computer Science and Media (Master of Science)

Hochschule der Medien
Stuttgart
03/2014 - 03/2019

Computer Science and Media (Bachelor of Science)

Final grade: 1.3 (Total average grade: 1.9)

Thesis: Android Mobility Detection Library (budo GmbH)

Universität Stuttgart
Stuttgart
10/2013 - 02/2014

Computer Science (Bachelor of Science)

Staatliche Feintechnikschule
Villingen-Schwenningen
09/2010 - 07/2013

General higher education entrance qualification

Major subject: Information technology

Work Experience

M-Way Solutions GmbH
Student trainee
Full Stack development
03/2017 - 03/2018

Development of B2E Web Apps:

- Client- and server-side development based on frameworks
- Design and implementation of user interfaces
- Development and consumption of REST interfaces
- Development of Unit- and E2E-tests
- Development of CLIs based on Node.js
- Deployment, operating and maintaining of Web Apps

Technologies:
Angular · Ionic · TypeScript · Node.js · RxJS · SQL · Protractor · Jasmine · Karma · Docker · HTML · CSS/SCSS · JIRA · Git

M-Way Solutions GmbH
Practical semester
Web App development
09/2016 - 03/2017

Development of B2E Web Apps:

- Client-side development based on frameworks
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Technologies:
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Projects

Android Mobility Detection Library
2018

Development of an Android library for monitoring locations precisely and energy-efficiently, using smartphones' sensors, context information, and recognition of motion patterns:

- Data capturing and analysis of measurements for recognizing of motion patterns
- Analysis and optimization of power usage and the quality of monitoring through Geofences, motion patterns, network and charging informations
- Design and development of the architecture for using the library in multiple applications simultaneously

Technologies:
Android · Geofencing API · Fused Location Provider API · Batterystats · JavaScript · Angular · Chart.js

Autonomous Shuttle
2018

Drafting of an shuttle service for passenger transportation:

- Conceptual working in interdisciplinary teams
- Design and development of a web service architecture
- Design of an interactive ride through interest matchings and emotion recognition of the passengers
- Developing a booking system
- Interest matching through tagging publicly available pictures of the passengers' Instagram accounts
- Developing a facial recognition feature for authentication of rides and recognizing emotions of the passengers

Technologies:
Node.js · Express.js · MongoDB · Mongoose · Angular · TypeScript · RxJS · HTML · CSS/SCSS · Bootstrap · Docker · Watson Text to Speech · Kairos Face Recognition API · Instagram API · Google Cloud Vision API

Billtracker
2018

Development of native applications in Android and iOS for saving and synchronizing of receipts in firebase:

- Design and implementation of the firebase database and storage
- Design and implementation of the Android and iOS user interfaces
- Consuming of the firebase database and storage for the synchronization of the data and receipts
- Using the Android Camera API and AVFoundation for retrieving pictures
- Managing the locally saved documents in the file systems

Technologies:
Android · Swift · Firebase Realtime Database · Firebase Storage · Firebase Authentication · Android Camera API · AVFoundation

Projects

Crypto Currency Tracker   2018

Development of a Web App for comparing crypto currencies:

- Using functional programming language Clojure
- Generating HTML through Clojure library Hiccup
- Consumption of the 'CryptoCompare' API for retrieving currency rates
- Processing of the currency rates through Clojure
- Representing the currency rates visually through clj-xchart

Technologies:
Clojure · Leiningen · Luminus · Compojure · Hiccup · clj-xchart · Bootstrap · CSS

WatchIt   2017

Development of a responsive Web App for retrieving movie and series information:

- Design and development of a web service architecture
- Design and implementation of an interactive and responsive web UI
- Consumption of 'The Movie Database' API
- Extending the web service enabling users to create accounts, save and edit watch and favorite lists

Technologies:
Node.js · Express.js · MongoDB · Angular · TypeScript · RxJS · HTML · CSS/SCSS · Bootstrap · Docker

Cap'n Can Webshop   2017

Development of a web shop

- Design and development of a web service architecture
- Design and implementation of an interactive and responsive web UI
- Administrative view for maintenance of the product line
- Implementation of the shopping cart and the booking process
- Implementation of sessions
- Prevention of security threats as XSS, XSRF, and SQL injections
- Using of SSL/TSL encryption

Technologies:
Node.js · Express.js · MongoDB · Mongoose · Angular · TypeScript · RxJS · HTML · CSS/SCSS · Bootstrap · Docker · Karma · Jasmine

PrivateEye   2017

Development of mobile measuring stations for capturing environmental data und visualizing those in a Web App:

- Design and development of a web service architecture
- Design and implementation of an interactive and responsive web UI
- Implementation of data exchange between embedded devices and web service
- Implementation of visual representation of the measuring stations' locations and environmental data

Technologies:
Node.js · Express.js · MongoDB · Mongoose · Angular · TypeScript · RxJS · HTML · CSS/SCSS · Bootstrap · Chart.js · Leaflet · OpenMapTiles