**项目描述**

电子书有效期:12月10日

**版本1**

Project: Real-time car location simulation and monitoring system

* Designed and developed a real-time car location simulation and monitoring system using Java, Spring MVC, Spring Boot, Spring Data, Spring Cloud, Maven, JPA, Hibernate, Tomcat, RabbitMQ, MongoDB, WebSocket, HTML, JavaScript, Bootstrap
* Effectively implemented server side REST APIs such as car location simulator and persistence handler using Spring Data, Spring Boot and Spring MVC
* Designed and implemented back-end services based on Microservices architecture. Incorporated Netflix Eureka as service registration and discovery
* Persisted data to MongoDB using Spring Data at Data Access Layer
* Incorporated RabbitMQ as message broker to decouple back-end services.
* Used Spring Boot Actuator to monitor application health
* Deployed applications to embedded Tomcat in automated fashion
* Dockerized the system in a Vagrant managed virtual machine
* Developed the single page front-end to integrate with backend using HTML, CSS, JavaScript, REST and WebSocket
* Used Git as source code version control. Used Maven to manage dependencies

**版本2**

Project: Real time car location simulator

* Designed and developed a real-time car location simulator using Java, Spring MVC, Spring Boot, Spring Data, Spring Cloud, Maven, JPA, Hibernate, Tomcat, RabbitMQ, MongoDB, WebSocket, HTML, JavaScript, Bootstrap
* Designed and implemented back-end location simulation and persistency services based on Microservices architecture. Incorporated Netflix Eureka as service registration and discovery
* Effectively implemented server side REST APIs using Spring Data, Spring Boot and Spring MVC
* Persisted data to MongoDB using Spring Data at Data Access Layer
* Incorporated RabbitMQ as message broker to decouple back-end services
* Used Spring Boot Actuator to monitor application health
* Deployed applications to embedded Tomcat in automated fashion
* Dockerized the system in a Vagrant managed virtual machine
* Integrated Google Maps Directions API to get route directions
* Used Git as source code version control. Used Maven to manage dependencies

**版本3**

Project: Real time traffic monitoring system

* Designed and developed a real time traffic monitoring system using Java, Spring MVC, Spring Boot, Spring Data, Spring Cloud, Maven, JPA, Hibernate, Tomcat, RabbitMQ, MongoDB, WebSocket, HTML, JavaScript, Bootstrap
* Effectively implemented server side REST APIs such as traffic simulator and traffic updater using Spring Data, Spring Boot and Spring MVC
* Designed and implemented back-end services based on Microservices architecture. Incorporated Netflix Eureka as service registration and discovery
* Persisted data to MongoDB using Spring Data at Data Access Layer
* Incorporated RabbitMQ as message broker to decouple back-end services.
* Used Spring Boot Actuator to monitor application health
* Deployed applications to embedded Tomcat in automated fashion
* Dockerized the system in a Vagrant managed virtual machine
* Developed the single page front-end to integrate with backend using HTML, CSS, JavaScript, REST and WebSocket
* Used Git as source code version control. Used Maven to manage dependencies

**版本4**

Project: Real-time flights simulation and monitoring system

* Designed and developed a real-time flights simulation and monitoring system using Java, Spring MVC, Spring Boot, Spring Data, Spring Cloud, Maven, JPA, Hibernate, Tomcat, RabbitMQ, MongoDB, WebSocket, HTML, JavaScript, Bootstrap
* Designed and implemented back-end services such as flights location simulator and flights location update handler based on Microservices architecture. Incorporated Netflix Eureka as service registration and discovery
* Effectively implemented server side REST APIs using Spring Data, Spring Boot and Spring MVC
* Persisted data to MongoDB using Spring Data at Data Access Layer
* Incorporated RabbitMQ as message broker to decouple back-end services.
* Used Spring Boot Actuator to monitor application health
* Deployed applications to embedded Tomcat in automated fashion
* Dockerized the system in a Vagrant managed virtual machine
* Developed the single page front-end to integrate with backend using HTML, CSS, JavaScript, REST and WebSocket
* Used Git as source code version control. Used Maven to manage dependencies

**版本5**

Project: Real-time fitness tracking system

* Designed and developed a real-time fitness tracking system using Java, Spring MVC, Spring Boot, Spring Data, Spring Cloud, Maven, JPA, Hibernate, Tomcat, RabbitMQ, MongoDB, WebSocket, HTML, JavaScript, Bootstrap
* Effectively implemented server side REST APIs, such as fitness location simulator and fitness status update handler using Spring Data, Spring Boot and Spring MVC
* Designed and implemented back-end services based on Microservices architecture. Incorporated Netflix Eureka as service registration and discovery
* Persisted data to MongoDB using Spring Data at Data Access Layer
* Incorporated RabbitMQ as message broker to decouple back-end services.
* Used Spring Boot Actuator to monitor application health
* Deployed applications to embedded Tomcat in automated fashion
* Dockerized the system in a Vagrant managed virtual machine
* Developed the single page front-end to integrate with backend using HTML, CSS, JavaScript, REST and WebSocket
* Used Git as source code version control. Used Maven to manage dependencies

**精华版**

Project: Car Location Monitoring System

* Designed and developed a real-time car location monitoring system using Java, Spring MVC, Spring Boot, Spring Data, Spring Cloud, Maven, JPA, Hibernate, Tomcat, RabbitMQ, MongoDB, WebSocket, HTML, JavaScript, Bootstrap
* Effectively implemented server side REST APIs, such as car location update API and location persistence API using MongoDB, Spring Data, Spring Boot and Spring MVC
* Incorporated RabbitMQ as message broker to decouple back-end services
* Used Git as source code version control. Used Maven to manage dependencies

**Skills:**

Java, Spring MVC, Spring Boot, Spring Data, Spring Cloud, Maven, JPA, Hibernate, Tomcat, RabbitMQ, MongoDB, WebSocket, HTML, JavaScript, Bootstrap, RESTful Web Services, Git, IntelliJ IDEA, Eclipse, Docker, Vagrant