

### Experience

- 2021–Ongoing **Software Engineering Consultant, Derayah, Riyadh, Saudi Arabia**
- A team member that works on the core components of the system which includes: customer creation, accounts operations and transactions processing.
  - Implementing core banking functionalities, analysing business requirements, writing technical documentation, solving production issues
  - Java 11, Spring Boot, Elasticsearch, Kibana, Apache Avro, Kafka, Confluent, Maven, Git, Docker, Kubernetes
- 2021–Ongoing **Managing Partner, Nivorbit, Canakkale, Turkey**
- Building your ideas on cross platform mobile/desktop/web applications using React, Native, Flutter, Electron based on web technologies Angular, React, Vue.js
  - Powering your applications with scalable, powerful services using OpenSource technologies especially with Spring Boot, Kafka, PostgreSQL and MongoDB
  - Getting your solution to market with the highest quality user interface and effective search engine optimization solutions
  - Portfolio StillArt, Fizey Business, Fizey, Ozan SuperApp, Turkcell, Ericsson, BeinSports, N11, D360 Banking, Borusan
- 2020–Ongoing **Software Engineering Consultant, N11, Istanbul, Turkey**
- Development, Designing, Maintenance of an e-commerce platform
  - Responsible for 50+ Microservices
  - Supporting teams how to manage, design, develop and deploy microservices based on Spring Boot, Go, Node, Java and Kotlin
  - Supporting devops how to design pipelines and deploy microservices based on Kubernetes(OpenShift), Jenkins, Tekton with CRDs
- 2020–2020 **Expert Software Developer, Ozan, Istanbul, Turkey**
- Development, Designing of a digital money platform based on multiple tenant
  - Cloud native backend and front-end architecture
  - Management and Leading of multinational development team based on London, Malta, Sophia, Istanbul
  - Designing CD/CI Pipelines based on Jenkins, Tekton, Kubernetes (Google Cloud)
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- 2019–2020 **Expert Full Stack Developer, Turkcell, Istanbul, Turkey**
- A member of fizy-business team (<https://business.fizy.com>), Online Music Streaming Platform for Business.
  - Development, Designing of a stream music application for business
  - Designing fast, scalable, cloud native backend and front-end architecture
  - Development of web player for browsers, MacOSX, Windows, Linux and Raspberry Pi
  - Remote updating of web player and remote connection to web player
  - Designed, architected and implemented microservices with Spring Cloud Netflix Microservice Architecture, Spring Boot 2.x, Java 1.8 Functional
- 2019–2019 **Senior Full Stack Developer, OpenPayd, London, United Kingdom**
- Development, Maintenance of FinTech products, exclusively for London-based start-ups and corporations of larger scale.
  - Lead and mentored the team
  - Designing, architecting and writing event driven microservices using Axon Framework, Spring Cloud Stream, RabbitMQ, Kafka with a constraint to handle transactions of 10,000/sec.
  - Development, Maintenance of front-end app based on Angular 7
  - Refactored the application from monoliths to micro services with Spring Boot, Java, Docker, Kubernetes and custom scripts.
  - Designing API-driven banking and payments technology.
  - Creation of new customer experiences by embedding financial services.
  - Building new functionality fast, with modular, API-powered tech.
  - Building a banking and payments service that grows and change, simple, developer-first API delivers Banking-as-a-Service with a modular architecture.
- 2017–2019 **Senior Full Stack Developer - Scrum Master, Turkcell Technology Research and Development, Istanbul, Turkey**
- A member of fizy team (<http://fizy.com>), Online Music Streaming Platform.
  - Worked with a team of 20 people, developers, QA and scrum masters, working as scrum master
  - Lead the team
  - Designed, architected and wrote the front-end of music application using Angular with 1,000 reusable components
  - Modernized front-end app originally built on JQuery to Angular
  - Optimized service layers, request queues and data model to handle request load of 74,000-96,000/sec during rush hours
  - Built CI/CD pipelines using Jenkins, Docker and custom scripts - helping teams deploy without downtime
  - Designed, architected and wrote microservices with Spring Cloud Netflix Microservice Architecture, Spring Boot 2.x, Java 1.8 Functional and replatform project from monoliths to microservices.
  - Improved application performance to handle 1,000+ concurrent requests and also be multi-threaded.
  - Log management with ELK, and advanced text search with Solr&Elastic Search

- 2013–2017 **Senior Software Specialist**, *Garanti Technology*, Istanbul, Turkey
- Worked on development of cross-platform highly scalable seamless mobile banking infrastructure based on hybrid architecture.
  - Made high-level design choices, dictated technical standards including software coding standards, tools and platforms.
  - Lead and mentored the team.
  - Solved technical, security and performance issues of web sites and applications for all tiers in infrastructure.
  - Made performance and stress tests collaborating with system, network and other related groups.
  - Designed and developed architecture of integrating social media with digital banking channels.
  - Worked on personal and corporate Internet banking development using Java, Maven, Spring, JavaScript, jQuery, Objective-C.
  - Provided solutions for general problems and enhancements.
- 2013 **R&D Engineer**, *Kentkart*, Izmir, Turkey
- Designed hardware for GPS Tracking, Electronic Payment System and Transportation System.
  - Advanced PL/SQL, Performance Tuning of Queries, Oracle Database, Database Design and Query Optimization.
  - Application development with technologies: PHP, Java, JSP, Javascript, JQuery, CSS, HTML5, SOAP, REST, .NET.
- 2011 **Internship**, *Dokuz Eylul University*, Izmir, Turkey
- Power card design for electronic circuit.
  - Electronic card design with Altera, Proteus and Pspice.
- 2011 **Internship**, *ASELSAN*, Ankara, Turkey
- ASELSAN is a Turkish corporation that produces tactical military radios and defense electronic systems for the Turkish Armed Forces.
- Designed laser marking hardware of tank shot system.
  - Developed software about laser marking of tank shot system using programming languages and technologies: FPGA, C, C++, Qt.
- 2010 **Internship**, *Turkish Radio and Television Corporation (TRT)*, Istanbul, Turkey
- Designed Network, Maintained Network and Performance Tuning of Network.

## Skills

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|----------------------------|---|
| Team & Agile Collaboration | Collaboration, communication, planning & estimation, agile development practices, Scrum   |
| Back-End Development       | API design and development, app architecture, micro-services, Node.js, PHP, C#.NET, Java, Kotlin, JUnit, Spring, Spring Boot, Spring Cloud, Maven, Gradle, REST, SOAP |
| Front-End Development      | JavaScript (ES5, ES6), React, AngularJs, Polymer, HTML5, CSS3, Sass   |
| Mobile                     | Swift, Objective-C, Java, RxJava  |
| Others                     | C, C++, Java, Kotlin, PL/SQL, SQL, OpenCV, OpenGL, Git, SVN, CA SCM   |
| Database                   | Database architecture, modeling, query optimization, MySQL, PostgreSQL, MongoDB, Oracle   |

Developer Google Cloud, OpenShift, AWS, Heroku, Kubernetes, Docker, Kafka, RabbitMQ, Consul, Github, Bitbucket, Tomcat, JBoss, Websphere, Visual Studio Code, PL/SQL Developer, Eclipse, IntelliJIDE, XCode, Interface Builder, Android Studio, Atom, SublimeText, Microsoft SQL Server

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## Education

- 2010–2013 **BS, Computer Engineering**, *Dokuz Eylul University*, Turkey  
Ranked 3rd in Computer Engineering Department in terms of CGPA (3.5/4).
- 2007–2013 **BS, Electrical and Electronics Engineering**, *Dokuz Eylul University*, Turkey  
Ranked 1st in E&E Engineering Department in terms of CGPA (3.62/4).

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## Projects

### **Iwa**, *Website & Mobile Application*, Web, Android - IOS

A insurance and billing tracking system, mobile application for Android and IOS, website.

### **CoachWiz**, *Mobile Application*, Android

Access all the information you need for your coaching on the go anytime, anywhere.

### **Vehicle Tracking System**, *Website & Mobile Application & Hardware Design*

A vehicle tracking system based on BeagleBone. Includes cross-browser website, mobile application for Android and IOS and desktop application for all operating system based on Qt.

### **IDE for 8051 Intel Microprocessor**, *Qt Application*

Developed an IDE for 8051 microprocessor. IDE includes a 8051 simulator, memory map, lexical and syntax analyzer and I/O pin voltage level led indicator.

### **Android Mobile Phone Tracking System by using GPS, Wi-Fi, Cell-ID**, *Android Application*

Tracking system for phone which has Android OS and show current position of phone on map online.

### **Design and Implementation of an Unnamed Flying Object: Quadrotor**

Designed a quadrotor with four propellers. Implemented and designed hardware of quadrotor, developed open source quadrotor software based on Kalman Filter and PID Space Equation.

### **Design and Realization of an Automation System using Microcontroller Based IO Units and Ethernet Network**

Designed an alternative system to PLC using PIC microprocessor.

### **Symbolic Circuit Analyzer**

Designed simple and user-friendly electronic circuit analyzer like Pspice. Program includes state equation of circuit according to I/O selection.

### **Android Employee Login-Logout System with RFID Card Reader**, *Android Application*

Phone based employee entry-exit tracking system for companies.