Mustafa Tufan

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Experienced software engineer with over eight years in fintech, cryptocurrency, banking, and insurance industries, combining strong technical expertise with a master's degree in finance. Skilled in backend and frontend development, data analytics, and financial applications, with proficiency in Java, Kotlin, Python, Spring Boot, and multiple SQL dialects. Adept at building scalable, high-performance applications and optimizing software architecture.

Thrives in dynamic environments, from startups to enterprise-level projects, delivering impactful solutions. Passionate about clean code, emerging technologies, and solving complex problems.

Contact

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🏠 Izmir, Turkey

Personal

🎂 November 13, 1992

🌐 Republic of Turkey

Experience (8+ years)

Senior Software Engineer at **Allianz** in Izmir, Turkey — Feb. 2023 - Current (2 years and still)
- Currently working on centralization of communication consent services among multiple projects.
- Delivered TDM project; a regulatory technical requirement that requires all test data and systems is compliant with provided test data from regulatory bodies.
- Delivered Kısmen Ödeme project; a regulatory business flow that allows private pension clients to withdraw funds from their pensions partly.
- Delivered Temlik project; a regulatory business flow that allows private pension clients to use their pension savings as collateral in credit markets.

  Insurance, Pension, Java, Spring Boot, JPA, JUnit, Apache Maven, RESTful API, PL/SQL, Scrum, Git, Bamboo, Nexus

Software Engineer & Data Analyst at **Change** in Tallinn, Estonia — Sep. 2019 - Dec. 2022 (3 years 4 months)
- Delivered both frontend and backend development of countless critical and the most used features like portfolio and price notifications, portfolio graph, performance graph, news section, Every Pay credit card payment integration, Mixpanel tracking integration and many more.
- As the nature of the start-up environment, there was a chance to execute in multiple positions simultaneously. I studied full knowledge of the product's database, delivered automated reports, and visualised and presented to the product teams & C-level managers as the only data analyst in the company.

  Fintech, Cryptocurrency, Kotlin, Dart, TypeScript, Python, Spring Boot, Gradle, Flutter, RESTful API, BLoC, PostgreSQL, Redshift, TDD, Code Review, Scrum, Git, Docker, Sentry, Mixpanel API, Metabase, Airflow

Software Engineer at **Avatud Lahendused** in Tartu, Estonia — May 2019 - Aug. 2019 (4 months)
- Developed custom Odoo ERP modules for unique requirements of Estonian construction and manufacturing companies.

  ERP, Python, JavaScript, Odoo, PostgreSQL, Kanban, Git, Docker, Sentry

Software Engineer at **Allianz** in Izmir, Turkey — Jul. 2018 - Apr. 2019 (10 months)
- Developed Allianz Messenger Client that is a project to be added as a dependency to be able to send SMS and e-mail as a sole developer, and refactored all projects those were using former methods by being a team member in a Scrum team.

  Insurance, Java, Spring Boot, JPA, EJB, Oracle ADF, JUnit, Apache Maven, RESTful API, PL/SQL, Scrum, Git, Bamboo, Nexus, Oracle WebLogic

Software Engineer at **Infina** in Istanbul, Turkey — Mar. 2016 - Jun. 2018 (2 years 4 months)
- Maintained Infleks Trade project that is a trading system that sends real-time trade orders to Borsa Istanbul Stock Exchange.
- Developed accounting and customer modules for Infleks Operation and Infleks Wealth Management projects as a sole developer in a team. Maintained fund and derivative instruments modules.

  Fintech, Stock Market, Investment Banking, Java, Spring Boot, JSP, JSF, PrimeFaces, JasperReports, Eclipse Rich Client Platform, JUnit, SAX Parser, Apache Maven, Apache Ant, Multithreading, SOAP, Sybase, MSSQL, PL/SQL, Oracle TimesTen, Scrum, Kanban, Git, CVS, Hudson, Jenkins, Apache Tomcat, WildFly

Internships at **Emeltek** , **Netix** , **Dream Harvesters** — 2012 - 2015
- Developed and published apps Android apps, mobile games, development tools during multiple internships.

Education

M.S. in **Capital Markets and Stock Exchange** at [Marmara University](#) in Istanbul, Turkey   2017 - 2019

B.S. in **Software Engineering** at [Firat University](#) in Elazig, Turkey   2010 - 2015
- Organizer and Jammer at Global Game Jam Elazig [2012 2013 2014](#)
- Academic publication on Android in Turkish: [FEEB 2011, Açık kaynak mobil işletim sistemi: Android İşletim Sistemi](#)

Information Technology at Gaziemir Anadolu Technical High School in Izmir, Turkey   2006 - 2010
- Performed as 215th among over 10.000 IT students in national examination for registering bachelor's programs.

Personal (Hobby) Projects

[SoloChance.org](#), solo cryptocurrency miner tool   Ongoing development
- SoloChance.org calculates solo mining chances for cryptocurrency miners. It offers a user-friendly frontend and raw API, serving 200k+ monthly requests and 20k unique users.

[Btckit.io](#), Bitcoin address generator   Paused
- Btckit.io was a tool that generates custom Bitcoin addresses by brute-forcing.

[Roll 'n Break](#), Unity3d game, published for iOS & Android   Last update: 2018
- Roll 'n Break was an action mobile game, published for both platforms iOS & Android. In its peak time, it has thousands of monthly players.

[Bilişim Bilgi Yarışması](#), native Android app   Last update: 2013
- Bilişim Bilgi Yarışması was a quiz game that contains IT questions. It was popular among Firat University students for a while.