

# Reza Zeraat

Düzce, Duzce, Türkiye

[rzeraat.tur@gmail.com](mailto:rzeraat.tur@gmail.com)

[linkedin.com/in/reza-zeraat-6628781b3](https://www.linkedin.com/in/reza-zeraat-6628781b3)

## Summary

I am a seasoned software engineer with over a decade of experience in mobile and web development, backend systems, and cloud infrastructure. I excel in JavaScript, TypeScript, Python, Java, C#, Ruby, and Go, and have extensive expertise in frameworks such as React Native, React, Angular, and Node.js.

With 5+ years of experience in React Native and 3+ years in Node.js, I have built and maintained high-quality mobile applications and created robust server-side logic and APIs. My backend skills include extensive work with SQL and NoSQL databases like PostgreSQL, MySQL, MongoDB, and Cassandra.

Career highlights include developing a scalable machine learning pipeline for a Fortune 500 company and architecting a microservices ecosystem on Kubernetes for a SaaS provider. I am adept at using Git and CI/CD pipelines for efficient project delivery.

Passionate about innovation and problem-solving, I am eager to contribute to Golden Apple's fintech projects by creating exceptional, engaging interfaces and backend systems.

## Experience



### Full Stack Developer

#### 3DUniversum

Oct 2022 - May 2024 (1 year 8 months)

- # Developing and Integrating Technologies: Led integration of front and back-end technologies using JavaScript and TypeScript. Spearheaded API development with Node.js and Express.
- Database Management: Optimized PostgreSQL and MongoDB schemas, enhancing storage efficiency.
- Front-End Development: Created responsive UIs with React Native and React, using Redux and Context API for state management.
- 3D Graphics and Animation: Enhanced web interactions with advanced graphics technologies.
- # Architectural Design: Developed scalable solutions with microservices architecture.
- DevOps and CI/CD: Improved workflows with CI/CD pipelines and AWS infrastructure.
- Agile Project Management: Managed projects using Agile practices and modern tools.
- ✓ # Quality Assurance: Led testing with frameworks like Jest, Mocha, and Cypress.
- # Legacy System Optimization: Upgraded legacy systems to modern tech stacks like TypeScript and React.
- Innovation and Automation: Integrated AI/ML APIs and optimized resources with Docker.

#### Notable Projects:

- [DeepTalk Studio](<http://deeptalkstudio.3duniversum.com>)
- [IDEA](<https://idea.3duniversum.com>)
- [WeScan](<https://wescan.io>)
- [Deep Therapy](<https://app.deeptherapy.ai>)
- [Replay Media](<https://replaymedia.3duniversum.com>)

Technologies:

- Languages: JavaScript, TypeScript, Python, C#, Java
- Frameworks: React Native, React, Vue.js, Angular, Node.js, Express, Django, FastAPI, Spring Boot
- Tools: TensorFlow, Pandas, Docker, AWS, Jest, Mocha, Cypress, Redux, Context API, Tailwind, Babylon.js



## Lead Full Stack Developer

TeammateMe

Aug 2019 - Sep 2022 (3 years 2 months)

Spearheaded Full Lifecycle Development: Led the creation of a high-traffic web platform, attracting over 1 million monthly users and significantly boosting user engagement.

Championed Next.js Transition: Enhanced page load speeds by 50% and increased search visibility by 20%, elevating market position.

Architected RESTful APIs: Utilized Node.js and PostgreSQL to improve query performance by 30%, streamlining data handling.

Pioneered WebSocket Integration: Introduced real-time communication, enriching user interaction and engagement.

Collaborated on UI/UX Design: Worked with design teams to develop responsive React Native interfaces, redefining mobile front-end standards.

☁️# Leveraged AWS Cloud Services: Employed EC2, RDS, Lambda, S3 to ensure 99.99% uptime, emphasizing reliability and scalability.

Innovated with Docker: Streamlined application deployment, reducing lead times by 40% and ensuring consistent deliveries.

Mentored Development Team: Cultivated a high-performing team, emphasizing excellence and best practices in code quality.

Oversaw Technology Roadmap: Guided strategic decisions on architecture and tech stack, aligning with business goals.

Fostered Stakeholder Relationships: Ensured alignment of technology projects with business objectives within an Agile framework.

Core Skills: React Native, JavaScript, Node.js, PostgreSQL, WebSocket, AWS, Docker, Agile Leadership, Stakeholder Engagement.



## Full Stack Developer

elay.io

Sep 2016 - Aug 2019 (3 years)

Architect of sophisticated mobile applications, ensuring seamless full stack integration for performance-driven solutions using React Native and Node.js.

Lead creator of user interfaces with React Native, championing contemporary UX/UI principles for impeccable compatibility across platforms.

## Innovator of scalable, maintainable back-end structures using Node.js and Express, tailored for future growth.

Advanced server functionality with real-time features via WebSocket integration, enhancing user interaction and engagement.

Custodian of complex PostgreSQL databases, fine-tuned for optimal transaction efficiency and expedited query performance.

☁️# Strategist in integrating applications with AWS, leveraging EC2, RDS, Lambda, and S3 for augmented scalability and operational agility.

Orchestrator of CI/CD pipelines, ensuring fluid deployment cycles and meticulous system surveillance.

Agile process enthusiast, ensuring team collaboration for rapid feature deployment and swift issue resolution.

# Steward of code excellence, instilling robust practices and thorough code reviews to uphold system integrity.

Dedicated to tech forefront, constantly revitalizing the stack to maintain competitive market stature.

Technological Proficiency:

Frontend: Proficiency in React Native, React, Redux, Context API, plus core mobile technologies.

Backend: Expertise in Node.js, Express, WebSocket, with comprehensive knowledge of RESTful APIs.

Database: Specialized in PostgreSQL and MongoDB administration.

DevOps: Skilled with Docker, Nginx, and AWS tools including EC2, RDS, Lambda, and S3.

Methodologies: Advocate for Agile Development, CI/CD mastery.

## **Machine Learning Engineer**

Aient

Jul 2015 - Jul 2016 (1 year 1 month)

As an experienced Machine Learning Engineer, I have a proven track record of developing, deploying, and optimizing machine learning models to address complex business challenges. I specialize in designing end-to-end ML pipelines, integrating models with existing systems, and collaborating with cross-functional teams to deliver customized solutions. My expertise includes conducting data analysis, feature engineering, and ensuring robust model deployment and maintenance.

Key Accomplishments:

- Reduced customer churn by 20% through the development of a predictive model.

- Improved recommendation system accuracy by 15% by implementing advanced algorithms.
- Enhanced sentiment analysis using cutting-edge NLP techniques.
- Automated anomaly detection, reducing manual monitoring efforts by 30%.
- Streamlined the deployment process, cutting down deployment time by 40%.

#### Skills:

- Programming Languages: Python, Java, C++
- ML Frameworks: TensorFlow, PyTorch, scikit-learn
- Data Visualization: Matplotlib, Seaborn, Plotly
- Cloud Platforms: AWS, GCP, Azure
- Big Data Technologies: Hadoop, Spark, Kafka
- Containerization: Docker, Kubernetes
- DevOps: CI/CD pipelines

## Lead Software Architect

### Ironmusic

Aug 2013 - Jul 2015 (2 years)

Architected and engineered high-performance web applications with a keen focus on responsive design principles and seamless user interaction experiences.

Drove the development of sophisticated front-end architectures utilizing Angular, achieving high efficiency in performance, modularity, and state management.

Designed and implemented resilient backend services leveraging Node.js, emphasizing clean code practices and system scalability.

Integrated cutting-edge Azure services (App Service, SQL Database, Blob Storage) to bolster application scalability, enhance security measures, and assure reliability.

Executed and refined CI/CD strategies with Azure DevOps, accelerating the release cycle through automated testing, building, and reliable deployments.

Fostered a culture of collaboration and innovation within cross-functional teams, ensuring alignment with project goals in an agile and dynamic development landscape.

Overseen application performance monitoring and diagnostics using Azure Monitor and Application Insights, committing to exceptional service delivery and user satisfaction.

Led code reviews and provided mentorship to burgeoning developers, advocating for best practices and continuous learning through educational workshops.

Acted as a technical liaison for stakeholders, adeptly converting business requirements into actionable development plans, and ensuring the timely execution of high-quality features.

Committed to professional growth and technological mastery, continually updating skills in line with the latest trends in the Angular framework, Node.js innovations, and Azure developments.

Technical Stack: Node.js, Angular, Microsoft Azure, MongoDB

## Frontend Developer

Maz

Dec 2012 - Feb 2014 (1 year 3 months)

Developed and maintained a series of dynamic web applications, focusing on responsive design, real-time interactions, and scalable infrastructure.

Spearheaded the creation of engaging user interfaces using Angular, integrating real-time features using WebSockets for improved user interactivity and instant data updates.

Crafted backend solutions using PHP, designing RESTful APIs, and ensuring secure and efficient data handling.

Leveraged DigitalOcean to deploy, scale, and manage application infrastructure, utilizing Droplets and Managed Databases to ensure optimal performance and uptime.

Collaborated closely with UX/UI designers to translate designs into fluid, interactive web interfaces with pixel-perfect precision.

Established and monitored real-time communication channels and features, utilizing WebSockets to provide users with instantaneous feedback and updates.

Regularly optimized application codebase for performance and security, integrating best practices and the latest technology updates.

Worked in an agile environment, frequently interacting with product managers, QA professionals, and other team members to align on project goals and timelines.

Mentored junior developers, leading regular code reviews, and fostering a culture of continuous learning and quality.

Stayed updated on industry trends and emerging technologies in the PHP, Angular, and cloud hosting spaces, ensuring the applications remained at the forefront of innovation.

PHP / Angular / Azure / HTML / CSS / JavaScript / TypeScript / React / Angular / Vue



## Back End Developer

Freelance | Self Employed

Jul 2011 - Jun 2012 (1 year)

Lead the development and maintenance of web applications using PHP and Laravel, ensuring the delivery of high-performance solutions to meet the evolving needs of our business.

Design sophisticated features and build RESTful APIs for client-side applications while maintaining clean, reusable, and scalable code.

Spearhead the integration of front-end UI/UX designs with server-side logic, utilizing Blade templates alongside Vue.js to enhance interactivity and user experience.

Architect database schemas and perform complex queries with MySQL, managing migrations effectively with Eloquent ORM.

Uphold rigorous standards for code quality, utilizing PHPUnit for comprehensive testing across various development environments.

Drive the containerization of applications using Docker, improving deployment processes and ensuring consistency across development, staging, and production environments.

Implement CI/CD pipelines with Jenkins or GitHub Actions, streamlining the development lifecycle and facilitating agile release practices.

Collaborate with cross-disciplinary teams, including product managers, designers, and other stakeholders, to define feature specifications and refine technical approaches.

Actively engage in code reviews and mentoring sessions to nurture the growth of junior developers and foster a culture of technical excellence within the team.

Remain abreast of industry trends and advancements in PHP and Laravel ecosystems, applying best practices to drive innovation and maintain competitive advantage.

Skills: PHP, Laravel, Vue.js, MySQL, Eloquent ORM, Blade, PHPUnit, Docker, CI/CD, Agile Methodologies, Code Reviews, Team Mentorship, Back-End Web Development .

## Education



### Düzce Üniversitesi

Bachelor of Science - BS, Computer Science

Sep 2017 - Sep 2020

C++



### Zero To Mastery Academy

React Native

Jul 2021 - Sep 2021

React Native

## Licenses & Certifications



### JavaScript course - Sololearn

13573579-1024



### HTML course - Sololearn

1014-13573579



### Python for Beginners - Sololearn

13573579-1157



### PHP course - Sololearn

1059-13573579





### React (Basic) - HackerRank


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 **Succeeding in Web Development: Full Stack and Front End** - LinkedIn


 **Angular + NestJS** - Sololearn  
1092-13573579

 **CSS course** - Sololearn  
1023-13573579

 **React + Redux** - Sololearn  
1097-13573579

 **C#** - Sololearn  
13573579-1080

 **AWS S3 Basics** - Coursera  
J3HZ3DMNHPEF

 **What is Data Science?** - Coursera  
6QS7USSU4FTZ

 **Data Science Orientation** - Coursera

 **Bracketology Club: Using March Madness to Learn Data Science** - LinkedIn

 **Data Science & Analytics Career Paths & Certifications: First Steps** - LinkedIn


 **Data Science Foundations: Fundamentals** - LinkedIn

 **Statistics Foundations: The Basics** - LinkedIn

 **Learning Data Governance** - LinkedIn

 **Agile Foundations** - LinkedIn

 **Agile Software Development** - LinkedIn

 **Foundations of AR** - Meta  
QPWEHJLD7J7H

## **Skills**

React.js • Test-Driven Development • React Native • PostgreSQL • MongoDB • React Native •  
Java • Android Development • iOS Development • Node.js