

Ahmet Kutay Karacair

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Senior Software Engineer | Scalable Systems, Cloud Architecture & AI-Integrated Applications

Dynamic software development professional with a robust background in creating scalable, high-quality applications that meet diverse business needs. Recognized for delivering impactful projects while fostering a culture of continuous improvement and innovation. Collaborative team player excelling in adapting to evolving requirements and priorities, ensuring alignment with organizational goals. Expertise spans multiple programming languages and software development methodologies, driving efficiency and excellence in every project.

WORK EXPERIENCE

Accenture • Remote

Senior Software Engineer • Full-time

08/2025 - Present

- Collaborated with UX/UI designers to enhance user experience through innovative design implementation.
- Mentored junior developers, providing guidance on coding best practices and project workflows.
- Conducted code reviews to ensure adherence to coding standards and improve overall code quality.

Cloud Engineer • Full-time

03/2025 - 08/2025

- Architected and deployed AWS-based services with Node.js and Angular, enhancing scalability and reducing latency across distributed systems.
- Conducted code reviews, ensuring high-quality standards and knowledge sharing among peers.
- Collaborated with cross-functional teams to define technical requirements and specifications.
- Championed the adoption of DevOps principles within the organization, driving increased collaboration between development and operations teams.
- Evaluated new cloud technologies, recommending strategic implementations for enhanced service delivery.

Karnaval Media Group • İstanbul, Turkey

Mid-level Software Engineer • Full-time

03/2024 - 01/2025

- Reduced page load times by 40% through code optimization and frontend refactoring, resulting in faster content delivery and better engagement metrics.
- Established reusable component libraries and modern development standards, reducing future development time by 30%.
- Collaborated with cross-functional teams to define project requirements and deliver solutions effectively.
- Developed scalable applications using PHP, Node.js and React to enhance user experience.

Orion Innovation • İstanbul, Turkey

Devops Engineer • Full-time

07/2023 - 03/2024

- Executed the full migration and maintenance of production servers from Russia to Turkey, achieving 99.8% data integrity and reducing planned downtime by 40%.
- Mentored interns and junior team members on infrastructure management and automation best practices.
- Implemented automated backup and disaster recovery solutions, cutting recovery time by 60% and increasing system reliability by 35%.
- Streamlined deployment pipelines and introduced proactive monitoring systems, improving issue detection speed by 45% and resolution time by 30%.

Software Engineer • Full-time

12/2021 - 07/2023

- Integrated user feedback into product iterations, improving usability and customer retention.

- Designed and implemented new application features based on client requirements, enhancing product functionality and user satisfaction.
- Optimized code structure and queries, improving application response time by 32% and reducing server resource consumption by 25%.
- Collaborated with cross-functional teams to gather requirements and design system enhancements.

Casemice Digital

Junior Software Engineer • Full-time

01/2021 - 12/2021

- Optimized application performance through profiling and debugging techniques.
- Played a key role in creating a 3D web environment using React.js, Three.js, and Node.js sockets.
- Developed and maintained web applications using JavaScript and React frameworks.

EDUCATION

Bachelor of Science in Computer Engineering

Sakarya University

09/2017 - 07/2021

PROJECTS

TravelersBase

05/2025 - Present

AI-Powered Travel Planner

- Engineered a highly scalable dual-database architecture using AWS ElastiCache (Redis) for instant, low-latency responses and PostgreSQL for persistent data storage.
- Designed and built efficient RESTful APIs with Node.js, implementing query optimization strategies to achieve sub-second itinerary generation.
- Architected the system for modularity and extensibility, enabling future support for community groups and collaborative trip planning.

Moxakk Analyzer

09/2024 - Present

Real-Time Sports Analytics Backend

- Engineered a *low-latency backend* for real-time sports analytics, integrating and orchestrating **multiple AI models** (OpenAI, Cohere, Anthropic) to generate dynamic insights.
- Established data ingestion pipelines for live stats, player metrics, and team data using advanced web scraping and aggregation techniques.
- Implemented an automated **CI/CD pipeline** using **Docker** for ARM64-based deployment, significantly improving release consistency and reducing manual overhead.

SKILLS

Frontend: Angular, Next.js, React.js, TypeScript

Backend: Express.js, Node.js, PHP, Python

Databases: MongoDB, MySQL, PostgreSQL, Redis

Cloud & Tools: AWS (EC2, CI/CD Pipeline Management, Docker, GitHub Actions, Lambda), RDS, S3

Specialties: API Architecture, Cloud Scalability, Performance Optimization, System Design

Hobbies: Cooking, Language exchange and cultural networking, Playing Chess and Go