Mehmet Mutlu

Senior Software Engineer

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Status: Eligible to work and live in the UK

Professional Summary

Senior Software Engineer with 5+ years in React, React Native and Next.js experience.
10+ years as web developer.
Full-stack experience contributing across API contracts, backend tasks and databases.
Hands-on experience building AI-powered, multi-tenant, multi-app platform serving 275,000+ subscribers.
Served as the team's AI advocate at Content Catalyst, building and driving adoption of AI-assisted engineering workflows that delivered verifiable results across the team: 4x faster implementation, 5x faster UX ideation.
Strong UI/UX foundation with prior design experience.

Work Experience

Senior Frontend Engineer - Content Catalyst

London · 09/2023 – Current

Content Catalyst provides a white-label subscriber portal platform for analyst research firms and enterprise insights providers, used by 275,000+ subscribers worldwide, with AI-powered analytics and MCP-based connectivity to enterprise AI assistants (Copilot, ChatGPT, Claude, Gemini).

- Lead the migration of the main product to a modern platform (Next.js App Router, React Server Components, Server Actions, MUI, AWS), delivering the majority of the frontend myself after leading design and sprint planning
- Owned the admin platform’s frontend build, including complex page builders and user management systems, contributing API and DynamoDB data-layer work
- Built and designed MyCatalyst AI, the company’s AI assistant product, providing conversational access to platform content for subscribers; contributed bug fixes, enhancements, and integration work to its LlamaIndex/pgvector-based RAG pipeline
- Contributed the MCP server wrapper product (interface-free, tool-based product) exposing the platform’s licensed research content and core APIs as governed tools for enterprise AI assistants (Copilot, ChatGPT, Claude, Gemini), with role-based access control

- Directly contributed to the platform's C#/.NET backend service (IReports/CCM), wiring feature-toggle-gated navigation entries into the admin navigation system as part of each per-tenant feature rollout
- Built per-tenant configuration architecture (Themes, Navigation Links, multi-layer customisation) spanning 4 repositories (AWS, admin app, frontend app, and the C#/.NET backend service), including feature-toggle-gated navigation wiring in the C# codebase; adopted by 92% of active customers
- Acted as the company's de facto AI advocate, building AI-assisted workflows that became standard practice across engineering and product, verifiable by senior management references
- Built and drove company-wide adoption of a Claude Code-based frontend implementation AI workflow, codifying design-system rules into a component registry; used by all frontend developers, cutting implementation time by 4x
- Built a UX ideation AI workflow backed by a structured evaluation suite with Claude Code (test fixtures, eval cases), speeding up eeaes crearly-stage design exploration by 5x
- Built a cross-discipline AI knowledge context tool helping engineers and product staff understand systems outside their own area (backend-to-frontend, frontend-to-backend, product-to-implementation), using research-then-explain retrieval over internal documentation
- Organised and led 4-5 contractors on frontend projects during peak delivery periods
- Also mentored the team's permanent developers, a full-stack, backend-heavy group, on frontend conventions and architecture decisions
- Owned the company’s design system end to end (Figma, design tokens, variables), establishing conventions used across the main application, AI assistant, and admin platform
- Led design, prototyping, and validation for the main product’s migration to a modern platform, working closely with the product team ahead of frontend handoff
- Designed the admin platform’s page builders and user management flows, and the AI content analysis tool later integrated into the main product

Frontend Developer, React & React Native — Digieggs Ltd

UK/London & Turkey/Izmir · 02/2020 – 09/2023

- Led development of Triwi, a React Native healthcare app integrating an IoT wearable for self breast exams; built most components from scratch (custom pickers, onboarding, animations, notifications) and used GraphQL for data — https://www.triwiglobal.com/
- Led development of DYO, a React Native service app connecting users with local painters and renovators (requests, quotations, messaging, reviews)
- Built additional React/Next.js projects: Cerbos Cloud (Remix, Tailwind), DYO e-commerce site, NT Armor and NT Cera company sites (Next.js, Mantine UI), and a sales report dashboard for Yasar Group (DevExpress, Keycloak)

Web Developer - Almond Spring Limited

UK/London & Turkey/Izmir · 09/2019 – 02/2020

Project: “Tow Transport” – Transport Mobile App : React Native Developer, UI/UX Designer

Buldano: Web Developer, Web Designer, Analytics, SEO, Ads Management

Frontend Developer - Digieggs Ltd

UK/London & Turkey/Izmir · 05/2018 – 08/2019

- Developed Logg, a personal logging app featured in the App Store's "Special Featured Apps & Games" section (USA, Turkey, parts of Asia)
- Thermoegg, an IoT temperature/humidity monitoring app used in medical and pharmaceutical industries : Web Developer
- Designed Cosmegg, a SaaS CRM for the cosmetics industry with thousands of daily users: Web Developer

Web Developer - Juno Paper

Turkey/Izmir · 01/2017 – 12/2017

Web Developer (E-Commerce), Ads Management, SEO Management,

Software Developer – Madbom Creative & Digital

Turkey/Izmir · 12/2015 – 12/2016

Digital designer, UI/UX Designer, Web Developer for Multiplatform B2B trade hub for Ministry of Trade

International Marketing and Franchise Manager — Alfemo Ltd.

Turkey/Izmir · 03/2011 – 10/2015

Responsible with global growth, franchising, and shops in more than 20 countries.

Export Specialist – Kristal Yaglari

Turkey/Izmir · 07/2009 – 03/2011

Export Sales and Operations.

Web Developer, Designer – Icon Agency

Turkey/Izmir · 12/2007 – 06/2009

Developed Flash web sites and projects, visual designer

Visual Designer – PIA Ajans

Turkey/Izmir · 05/2006 - 12/2007

Graphic Design, Printing, Video Editing, Flash Designer & Animator

Skills

Frontend: React.js • React Native • Next.js (App Router, React Server Components, Server Actions) • Remix • TypeScript • JavaScript (ES6+) • React Hooks • Context API • Redux • Zustand • Zod • React Hook Form • MUI (Material-UI) • shadcn/ui • Radix UI • Storybook • Emotion • Styled Components • Tailwind CSS • SASS/SCSS • GraphQL • Apollo Client • RESTful APIs • Core Web Vitals, accessibility (WCAG/a11y), and PWA principles

Backend & Cloud: REST API contracts (design & consumption) • OpenAPI/Swagger codegen • Webhooks • Rate limiting/API throttling • JWT-based auth • OAuth 2.0 • RBAC • AWS • AWS S3 • AWS CloudFormation/IaC • DynamoDB (tenant/versioned table design) • SQL • PostgreSQL • Node.js • C#/.NET (feature-toggle and navigation wiring in an existing production codebase)

UI & UX: Figma (advanced: variables, modes, plugins, MCP integration) • Design systems • Design tokens • Responsive & mobile design (web & native) • AI-assisted / agentic prototyping and design-system workflows

AI Product Development: MCP (Model Context Protocol) server development, OpenAI API, Anthropic API, AI assistant architecture, RAG / vector store-based retrieval (LlamaIndex pipeline contribution, pgvector),

AI Tools & Workflows: Agentic workflow & pipeline design • Custom skill development • Custom MCP development • Prompt engineering • Claude Code • Cursor.AI • GitHub Copilot

Testing & Tooling: Jest • React Testing Library • Cypress • Playwright • TDD/BDD • Visual regression testing • Code coverage • Environment-flag based API mocking • Git, GitHub, GitLab, Azure DevOps (Boards) • Figma

Education

Bachelor's Degree in Public Relations and Communication, Ege University, Izmir, Turkey

Languages

Turkish (Native) · English (Fluent) · German (Intermediate)