

# Berat Iyilik

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(Permanent Resident / Green Card holder)

## Summary

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Hands-on, outcome-focused full-stack software developer with a decade of experience building and operating web applications across AWS and on-prem/VM environments. Ships C#/.NET and Node.js services with React/Angular front ends and SQL back ends; designs clean relational schemas and domain models and exposes well-versioned RESTful APIs. Owns hosting, deployment, and runtime management—CI/CD, monitoring, and incident response—for frequent, low-risk releases with reduced change-failure rate and MTTR. Turns business rules into production features with reliable performance and measurable impact.

## Skills

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Languages: C#, JavaScript, TypeScript, C, Bash; .NET / Microsoft: .NET 9, .NET 8, .NET Core, .NET Framework 4.x, ASP.NET Core Web API, ASP.NET Web API 2, ASP.NET Core MVC, ASP.NET MVC 5, Razor Pages, Entity Framework Core (EF Core), Entity Framework 6 (EF6), SignalR, WCF, Windows Forms; Backend: Node.js, RabbitMQ (AMQP), Hangfire; Frontend: React, Next.js, Angular; AWS: AWS Lambda (Serverless), Amazon API Gateway, Amazon S3 (Simple Storage Service), Amazon DynamoDB, Amazon EventBridge, Amazon SQS (Simple Queue Service), Amazon SNS (Simple Notification Service), AWS IAM (Identity and Access Management), Amazon CloudWatch; Databases (SQL/RDBMS): PostgreSQL, Microsoft SQL Server (T-SQL), Oracle Database (PL/SQL); NoSQL/Caching: MongoDB, Redis; DevOps / CI-CD / Version Control: Docker, CircleCI, Git, GitHub; Embedded/IoT: C, Espressif ESP-IDF, ESP32, FreeRTOS, GPIO/SPI/I2C, RTOS, Sensors;

## Experience

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### Senior Full-Stack Developer (Contract) • Healthily (formerly Your.MD) • London, UK • Jun 2021 - Dec 2024

- Owned build and maintenance of consumer site and internal data platform used by the medical team; delivered features, fixes, and on-call support across Node.js/TypeScript, React/Next.js, Contentful, and AWS.
- Kept livehealthily.com stable and fast for 2M+ monthly visitors; shipped Next.js pages/components, optimized rendering and headless CMS integrations, and executed disciplined RCA/code reviews to harden production.
- Designed and implemented a serverless data collection platform enabling clinicians to author and govern a structured medical knowledge base (conditions, symptoms, triggers, relationships, age/epi/seasonality).
- Built typed API endpoints on AWS Lambda; used GitHub as the versioned data store for medical entities and diffs; enforced referential integrity and cross-file synchronization with AWS EventBridge.
- Delivered a standard driven React front end (function components, React Context) with robust form handling/validation using Formik and Yup.
- Instituted dependable CI/CD with CircleCI and Bash; added unit coverage with Jest; improved team workflows by continuously evaluating new and existing code and upgrading dev practices.
- Tech-Stack: Node.js, TypeScript, React, Next.js, Contentful, AWS Lambda, EventBridge, GitHub (as data store), Jest, CircleCI, Bash.

### Senior Full-Stack Developer (Contract) • iRadar Data • Remote (Ottawa, ON, Canada) • Jan 2021 - Jun 2021

- Built a greenfield web app, iRadar Immigration, helping newcomers navigate housing, jobs, healthcare, and city services; delivered MVP to production in 6 months with a 3-person team.
- Implemented a React + TypeScript SPA with modular flows and robust form handling, integrated MongoDB for persistence.
- Designed a serverless backend on AWS using Lambda and the Serverless Framework; stored documents and media on S3.
- Led development of real-time messaging and file sharing: browser WebSocket client + AWS WebSocket API for bi-directional events; implemented reliable delivery, presence updates, and efficient file uploads.
- Tech-Stack: JavaScript/TypeScript, React, MongoDB, Serverless, AWS Lambda, AWS WebSocket API, S3, Stripe.

### Senior Software Consultant • KocSistem • Istanbul, Turkey • May 2020 - Sep 2020

- Took end-to-end ownership of an unfinished event/ticketing platform (event discovery/creation, schedules, membership & non-membership sales, campaigns, recurring events) and drove it to production-readiness.
- Built the billing module from scratch: pricing rules, invoicing, refunds, taxation, reconciliation; integrated with Logo accounting; added an auditable transaction ledger and failure-safe reprocessing.

- Engineered a robust Salesforce integration: schema mapping, deduplication, batching, retries/backoff, and field-level sync to stabilize CRM data and downstream reporting.
- Modeled core domains and persistence with .NET Core + Entity Framework; enforced referential integrity, migrations, optimistic concurrency, and transactional boundaries; scheduled resilient background jobs with Hangfire.
- Established Git workflows, code review gates, deployment runbooks, and observability for external calls and jobs.
- Tech-Stack: .NET Core (C#), Entity Framework Core, Hangfire, Salesforce, Logo Accounting, Git, SQL Server, REST.

## **Senior Software Consultant • Bilge Adam Teknoloji • Istanbul, Turkey • Mar 2018 - Sep 2020**

- End-to-end owner for an enterprise identity/access platform used by Mercedes-Benz Turkey dealerships and internal staff (KEYBOARD): defined technical requirements, designed architecture, and delivered production APIs and admin workflows. Implemented user/role lifecycle for sub-apps, domain integration via LDAP, background processing with Hangfire, auditability, and access-request approval flows using .NET MVC Web API, MSSQL, Entity Framework, and git.
- Designed and shipped the recruitment capability of the Talent Assistant Management (TAS) system: manager and candidate portals covering job posting, application intake, scheduling/recording online interviews, evaluation, and offer issuance. Built ASP.NET Core MVC + Web API services with EF Core/MsSQL; Angular/TypeScript front end; Redis caching; RabbitMQ for asynchronous events; Swagger for API contracts.
- Drove code quality and maintainability across both products: modularized services, optimized DB queries, tightened authorization/validation layers, and hardened error handling and logging, raising reliability and reducing manual HR and IT access operations.
- Tech-Stack: C#, ASP.NET Core MVC, ASP.NET/Web API, Entity Framework/EF Core, MSSQL, Angular, TypeScript, JavaScript, LDAP, Hangfire, Redis, RabbitMQ, Swagger, git.

## **Software Developer • Bisar Bilgi Teknolojileri • Istanbul, Turkey • Apr 2014 - Jan 2018**

- Delivered three enterprise systems for public institutions across HR/recruiting, procurement/asset management, and zoning/urbanism ERP.
- Built a SPA recruiting platform: resume/application intake, interview scheduling, hiring workflows, and automated subcontractor monthly expenditure calculations using C#, Web API 2, Entity Framework (Code First), Angular 2, TypeScript, and SOA.
- Developed procurement and movable-asset management capabilities: unit request creation/tracking, tender and direct-purchase execution, inventory oversight, and fixtures monitoring using C#, WinForms, Entity Framework (DB First), Oracle (PL/SQL), and PostgreSQL (PL/pgSQL).
- Engineered zoning/city-planning ERP modules including GIS, integrations, zoning & planning, excavation permits, and legal-entity management; owned the Excavation Permit Unit end-to-end using C#, ASP.NET MVC, and Entity Framework (DB First).
- Implemented domain services, validations, and role-based access; optimized database routines and ensured data integrity across systems; delivered POS integrations and bank/financial system integrations (payment flows, reconciliation, transaction reporting).
- Tech-Stack: C#, .NET Framework, ASP.NET MVC, Web API 2, WinForms, Angular 2, TypeScript, Entity Framework (Code First/DB First), Oracle (PL/SQL), PostgreSQL (PL/pgSQL), SOA, SPA.

## **Education**

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Fatih University, Istanbul, Turkey (incorporated into Istanbul University in 2016)

Bachelor of Science (B.Sc.) in Computer Engineering • Faculty of Engineering • 2007 - 2014