

Ravalika K

Full Stack .NET Developer

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SUMMARY

Full Stack .NET Developer with around 5+ years of experience specializing in developing high-performance web applications using C#, .NET Core 8, ASP.NET MVC, and ASP.NET Web API. Proficient in building interactive front-end solutions with Angular 12+, ReactJS, HTML5, CSS3, TypeScript, Bootstrap, and Kendo UI, delivering responsive and user-friendly interfaces. Skilled in backend development with RESTful API design, secure authentication (JWT, OAuth2), and integration of messaging systems like RabbitMQ and Kafka for real-time processing. Hands-on experience with Microsoft Azure and AWS services, including App Services, Functions, Lambda, API Management, Blob Storage, S3, Key Vault, and Azure AD, along with CI/CD automation via Azure DevOps, GitHub Actions, AWS CodePipeline, and Docker. Adept in working with MS SQL Server, MongoDB, and Cosmos DB, as well as implementing Infrastructure-as-Code using Terraform and container orchestration with Azure Kubernetes Service (AKS). Experienced in applying Test-Driven Development (TDD) practices with NUnit, xUnit, Jasmine, and Karma to deliver maintainable, high-quality solutions. Well-versed in Agile workflows with tools like JIRA and Azure Boards, with a strong foundation in C, C++, and Python. Demonstrates end-to-end ownership of projects across all phases of the Software Development Life Cycle (SDLC).

PROFESSIONAL EXPERIENCE

PNC Finnacle, Saint Louis, MO

May 2024 – Present

Full Stack .NET Developer

- Enhanced banking system interoperability by developing ISO 20022 and RESTful-compliant APIs in .NET Core, enabling secure transaction and account data exchange between internal systems and third-party processors, reducing reconciliation errors by 40% across branches.
- Automated loan eligibility verification workflows by integrating RESTful APIs with credit bureaus, banking platforms, and risk assessment tools, streamlining approval for 1,200+ daily loan applications, reducing decision time from 3 business days to under 24 hours.
- Migrated historical trading and client portfolio data to AWS S3 with lifecycle policies, encryption-at-rest, and role-based access control, improving retrieval speed by 55% for portfolio managers while ensuring regulatory compliance and secure long-term storage.
- Implemented secure multi-factor client portal authentication using OAuth 2.0, Amazon Cognito, and adaptive risk-based validation, providing safe and reliable access to 25,000+ clients, and reducing unauthorized login attempts and potential breaches by nearly 60%.
- Rebuilt online investment and trading modules in Angular 13 and ASP.NET Web API, integrating secure payment gateways, SMS/email notifications, and timezone-aware transaction scheduling, resulting in a 28% decrease in failed or delayed client trades.
- Optimized financial reporting pipelines by integrating Azure Functions with banking APIs and internal accounting systems, enabling near real-time report delivery to finance teams, reducing month-end reporting delays by 35%.
- Designed and deployed digital contract and e-signature workflows for investment agreements and loan documents with audit trails and direct banking system integration, eliminating over 900 annual transaction delays due to missing approvals or incomplete client data.
- Established continuous monitoring for critical financial applications by integrating Serilog with Datadog dashboards and custom health-check endpoints, giving administrators real-time visibility into API performance, uptime, and bottlenecks during peak trading or transaction hours.

LTI Mindtree, Hyderabad, India

Sep 2022 – Aug 2023

Full Stack .NET Developer

- Architected a high-performance payment reconciliation platform in .NET Core 6, integrating Azure Functions, Service Bus, and distributed caching to process 1.2M+ secure daily transactions, ensuring compliance with banking SLAs and regulatory mandates.
- Built responsive Angular 13+ modules with NgRx to streamline customer onboarding, credit scoring, and KYC verification workflows, improving application processing speed by 42% while enhancing overall customer satisfaction and retention rates.
- Applied Plaid and Yodlee API integrations for automated account linking, real-time transaction categorization, and instant balance checks, significantly enhancing fraud detection accuracy while cutting manual review time in half.
- Developed event-driven loan approval pipelines using Apache Kafka and Azure Event Hubs, enabling real-time updates to investor dashboards, reducing settlement delays by 65%, and increasing transaction transparency across all trading desks.
- Engineered RESTful APIs for multi-institution data aggregation, interest rate calculations, and regulatory compliance checks, improving data query performance by 37% through advanced SQL indexing, optimized joins, and result caching strategies.
- Led the migration of core retail banking modules from .NET Framework to microservices-based .NET Core 8 architecture, reducing operational costs by 28%, improving deployment cycles, and aligning with PCI DSS security compliance.
- Re-engineered investment portfolio analytics dashboards using Angular, D3.js, and secure WebSocket channels, delivering real-time market insights to 80,000+ users, boosting engagement by 29%, and driving higher client investment activity.
- Partnered with Treasury, Compliance, and Risk teams under Agile frameworks, leveraging Jira, Confluence, and cross-department workshops for sprint planning, backlog grooming, and risk mitigation, leading to faster releases with minimal defects.

Zensar Technologies, Hyderabad, India

Jan 2020 – Aug 2022

Full Stack Developer

- Constructed and implemented a secure, interactive patient portal dashboard using ReactJS, enabling patients to view lab results, diagnostic histories, and personalized treatment progress in real time, which boosted engagement and reduced follow-up calls by 28%.
- Architected HIPAA-compliant RESTful APIs to integrate and synchronize electronic health records (EHR) across hospitals, diagnostic labs, and insurance providers, reducing claim processing time by 35% while ensuring accurate, up-to-date patient data exchange.
- Formed high-throughput Apache Kafka pipelines to stream patient vitals from IoT-connected health devices to specialist dashboards in real time, enabling faster clinical intervention and lowering critical care response times during emergencies.
- Created Angular modules for appointment scheduling, prescription refills, and automated follow-up reminders, streamlining patient interactions and lowering the administrative workload for medical staff by over 40%.
- Partnered closely with QA engineers to design and execute automated API test suites covering insurance workflows, report retrieval, and billing reconciliation, achieving 95% defect-free releases and significantly reducing post-production issues.
- Implemented multi-layer role-based authentication using OAuth2 and JWT to strengthen security for healthcare provider logins, preventing unauthorized access to sensitive medical records and meeting industry audit compliance requirements.
- Integrated HL7 and FHIR interoperability standards into backend services to improve data compatibility between legacy hospital systems and modern cloud-based applications, reducing migration risks and ensuring seamless software upgrades.

TECHNICAL SKILLS

Programming Languages: C#, C, C++, JavaScript (OOP, Functional), TypeScript, SQL, JSON, XML, Java

Frontend: Angular, ReactJS, HTML 5, CSS 3, Bootstrap, Kendo UI

Backend & Frameworks: .NET Core 8, .NET Framework 4.7, ASP.NET MVC/Web API, Entity Framework, Dapper, RESTful APIs

Cloud Platforms: Microsoft Azure (App Services, Functions, Key Vault, API Management, Blob Storage), AWS (EC2, S3, Lambda)

DevOps & CI/CD: Azure DevOps, GitHub Actions, Jenkins, Docker, Terraform, Kubernetes

Testing: NUnit, xUnit, Jasmine, Karma, Postman

Databases: MYSQL Server, PostgreSQL, MongoDB, Cosmos DB, Redis

Messaging & Streaming: RabbitMQ, Kafka, Azure Service Bus

Monitoring & Logging: Serilog, NLog, Application Insights, DataDog

Tools & Methodologies: Visual Studio, VS Code, Git, Jira, Azure Boards, Agile, Scrum, SDLC, Microservices

Soft skills: Service oriented, Adaptive

Certifications: AWS Certified Developer- Associate

EDUCATION

Master of Science in Computer Science | University of Missouri-Kansas City, Missouri, USA