

Abtin Jalaei

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• abtin-jalaei.github.io

EDUCATION

Wright State University , Dayton, Ohio Sep 2011 - May 2015  
Bachelor of Science in Computer Science GPA: 3.78

PROFESSIONAL EXPERIENCE

Van Metre - Ashburn, Virginia Jun 2024 - Sep 2025  
Software Developer

- Delivered Azure-hosted .NET 8 Blazor solutions improving internal purchase order and document management efficiency by 30%.
- Developed and deployed REST APIs integrating Mistral and Azure OpenAI, enabling real-time AI-driven automation.
- Built GitHub Actions CI/CD pipelines with SonarQube integration, cutting deployment time by 40% and improving code quality.
- Designed cost approval workflows combining .NET APIs, Blazor UI, and Excel exports used by 100+ employees.
- Automated document routing and approval via Power Automate, reducing manual processing by 60%.
- Created voice-enabled AI assistants with AWS Lex, Polly, and Transcribe, reducing customer response latency by 25%.
- Developed Flutter prototypes syncing real-time data via Firebase, accelerating mobile proof-of-concept delivery by 50%.

Capital One - McLean, Virginia Jul 2022 - Apr 2024  
Senior Associate Software Engineer

- Engineered PySpark pipelines on AWS EMR, cutting data processing time from hours to under 10 minutes.
- Automated repo security scanning using Python + Slack + Jira, improving vulnerability detection efficiency by 45%.
- Created a unit test generator increasing backend test coverage by 40%, reducing QA cycle time by 25%.
- Integrated New Relic for proactive performance monitoring, identifying and resolving bottlenecks 20% faster.
- Partnered with data science teams to productionize ML workflows, improving model deployment stability by 35%.

Hyosung America - Miamisburg, Ohio Sep 2016  
Software Engineer

- Designed and deployed .NET Core microservices on AWS handling high-volume ATM transactions (over 5M/month).
- Built secure RESTful APIs replacing legacy SOAP systems, cutting data exchange latency by 50%.
- Optimized SSRS reporting and SQL Server queries, reducing report generation time by 80% for multi-million record datasets.
- Implemented Azure Functions for key management, strengthening mobile security and reducing breach risk by 40%.
- Modernized .NET Framework systems to .NET Core, improving scalability and uptime to 99.9%.
- Integrated Azure AD and Active Directory for unified SSO across 10+ enterprise apps.
- Delivered reusable APIs for React and Vue.js dashboards hosted on AWS, reducing frontend-backend integration time by 35%.

SKILLS

Functional : Agile, SDLC, JIRA, Git  
Technical : C#, Python, Java, Swift, TypeScript, JavaScript, HTML, CSS  
Frameworks : .NET 8, Blazor, React, Vue.js, Flutter, ASP.NET MVC, Entity Framework, Telerik Blazor

Cloud & DevOps : Azure (App Services, Blob Storage, AD B2B, OpenAI), AWS (API Gateway, EMR, SQS, Cognito, SageMaker, Polly, Lex, Lambda), GitHub Actions, Jenkins, Docker, SonarQube

Databases : SQL Server, PostgreSQL, DynamoDB, MongoDB, Firebase, Azure Table Storage, SQLite

Architecture : Microservices, Event-Driven, Domain-Driven Design, MVVM, MVC

Security : OAuth 2.0, OpenID Connect, Azure AD, Active Directory, SSO

AI & ML : Azure OpenAI, AWS SageMaker, Mistral (fine-tuning, agent config), Prompt Engineering, RAG Pipelines, Token Metering

Tools : Swagger, Jupyter Notebook, Power Automate, New Relic, xUnit, Supabase

Certifications : AWS Certified Solutions Architect – Associate | Certified Secure Software Engineer | MIT Cybersecurity Professional Certificate

ACHIEVEMENTS

- Dean's List | Outstanding Student Award