

HIREN JETHVA

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PROFESSIONAL SUMMARY

Full Stack and Backend Software Engineer with 5+ years of experience building scalable, secure, and data-intensive systems. Proficient in C#, .NET Core, ASP.NET, Python, React.js, and Node.js with deep expertise in REST APIs, Microservices architecture, Entity Framework, and cloud platforms (Azure, AWS). Experienced across the full stack from SQL/NoSQL databases and ETL pipelines to React.js front-end integrations. Proven track record delivering measurable results: +9% payment success rate, 83% downtime reduction, and 40%+ query performance improvement. Strong background in BFSI and enterprise domains, with hands-on CI/CD, Docker, and Databricks experience. Strong interest in AI-driven automation and Generative AI solutions, with experience building Proof-of-Concept systems for structured data extraction from unstructured documents using OCR pipelines.

TECHNICAL SKILLS

Languages: C#, Python, JavaScript, TypeScript, Golang, SQL

Backend Frameworks: .NET Core 6/7, ASP.NET, FastAPI, Pydantic, Node.js (Express), Tornado

Frontend: React.js, Next.js, HTML, CSS, REST API integration

Databases (SQL): SQL Server, MySQL, PostgreSQL, Entity Framework (EF Core)

Databases (NoSQL): MongoDB, Redis, Aerospike, Databricks (Delta Lake, Spark SQL)

Cloud - Azure: Azure Functions, Azure App Services, Azure Storage, Azure Active Directory (AAD)

Cloud - AWS: EC2, S3, RDS, IAM, CloudWatch

DevOps & CI/CD: Docker, Jenkins, GitHub Actions, Bamboo, Git, Bitbucket, RabbitMQ

Patterns & Practices: Microservices, Full Stack Development, OOP, Design Patterns, Async Processing, ETL Pipelines

Security & Compliance: JWT, OAuth 2.0, MSAL, VAPT remediation, Secure API Design, SEBI-compliant BFSI systems

AI & Intelligent Systems: Generative AI (GenAI), Large Language Models (LLMs), Prompt Engineering, OCR pipelines, Document Data Extraction, Vector Databases (basic exposure), LLM API Integration (Azure OpenAI), AI based workflow automation

PROFESSIONAL EXPERIENCE

Senior Software Engineer (Full Stack / Backend) | Mobile Programming India Pvt. Ltd. | Client: Burns & McDonnell India | Feb 2025 – Present

- Designed and developed full stack enterprise applications using C#, .NET Core, Python (FastAPI, Pydantic) and React.js/Next.js for Oil & Gas forecasting and management platforms.
- Built RESTful APIs and Microservices following OOP and design pattern best practices, ensuring contract-driven, schema-validated integrations using Pydantic across services.
- Developed ETL pipelines and data-processing workflows in Databricks (Spark SQL, Delta Lake) for large-scale data ingestion, transformation, and analytics — handling millions of records.
- Integrated Azure Functions for event-driven processing and background jobs, improving system scalability and reducing infrastructure costs.
- Collaborated with frontend teams building React.js dashboards with real-time data feeds, ensuring seamless API-to-UI integration and strong user experience.
- Worked extensively with Azure cloud services (Storage, App Services, Azure AD) to build and maintain cloud-native, production-ready systems with proper CI/CD pipelines.
- Optimized SQL queries and backend services, improving response times and overall system throughput in production.
- Explored and built Proof-of-Concept solutions leveraging Databricks AI platform to transform unstructured business data into structured, ERP-consumable data formats for workflow automation.

Tech Stack: C#, .NET Core 6, Python, FastAPI, Pydantic, React.js, Next.js, Databricks, Spark SQL, Azure Functions, Azure Storage, REST APIs, Microservices, CI/CD, Git

Backend Developer (.NET Core / Full Stack) | BookMyShow (via LightWave Consultant) | Aug 2023 – Sep 2024

- Led CyberSource Visa Gateway upgrade from 3DS 1.0 to 3DS 2.0 using .NET Core and C#, strengthening payment security and increasing transaction success rate by ~9%.
- Built and maintained high-throughput backend Microservices handling peak-traffic real-time payment flows and offer processing, using .NET Core, Node.js, and SQL/NoSQL databases.
- Designed and optimized SQL queries and stored procedures against MySQL and MongoDB, ensuring high availability for transactional payment systems.
- Managed AWS infrastructure (EC2, S3, RDS, CloudWatch) enabling scalable deployments, secure object storage, and proactive monitoring with alerting.
- Performed 8 production Windows server upgrades, reducing release downtime by 83% (30 minutes to 5 minutes) through structured planning and risk assessment.
- Operated within Dockerized Microservices architecture with RabbitMQ message queues and Jenkins/Bamboo CI/CD pipelines for continuous delivery.

Tech Stack: C#, .NET Core, Golang, Node.js, MySQL, MongoDB, Redis, AWS (EC2, S3, RDS, CloudWatch), RabbitMQ, Docker, Jenkins, Bamboo, Microservices

Software Developer (Backend / .NET / Full Stack) | Infomatics Services Pvt. Ltd. | Mar 2021 – Aug 2023

- Developed backend services and APIs using ASP.NET, C#, and Node.js for SEBI-compliant BFSI systems including UPSI handling, real-time trade capture, and algorithmic trading workflows.
- Optimized SQL Server stored procedures and Entity Framework queries, reducing execution times by 40%+ in high-volume transactional systems through systematic profiling and tuning.
- Identified and remediated multiple VAPT security vulnerabilities, ensuring secure, compliant production deployments in financial services environments.
- Built Windows services and schedulers using C# and .NET to automate business processes and scheduled data flows, reducing manual effort and improving operational control.
- Supported cloud-hosted deployments on AWS EC2, maintaining uptime and stability for mission-critical financial applications.

Tech Stack: ASP.NET, C#, .NET, Node.js, SQL Server, Entity Framework, AWS EC2, Selenium, SVN

KEY ACHIEVEMENTS

- +9% payment success rate: Led CyberSource 3DS 2.0 gateway upgrade at BookMyShow improving transaction security and conversion.
- 83% release downtime reduction: Streamlined 8 production server upgrades from 30 minutes to 5 minutes through planning and automation.
- 40%+ query performance gain: Optimized SQL Server stored procedures and Entity Framework queries in a high-volume BFSI trading system.
- Enterprise ETL at scale: Delivered end-to-end Databricks pipelines handling millions of records for Oil & Gas analytics clients.
- Full stack delivery: Owned systems from SQL/NoSQL data layer through .NET Core APIs to React.js dashboards in production environments.

EDUCATION

Bachelor of Science (B.Sc.) — Computer Science

SK Somaiya College of Arts, Science and Commerce (Mumbai University) — Mumbai, Maharashtra — 2020