

AJAY KUMAR

Bengaluru, India

+91-97793-32773

✉ ajay.ak8302@gmail.com

🌐 linkedin.com/in/ajaykumardev

🐙 github.com/Ajay8302

Career Objective

Backend-Focused **Software Engineer** with over **3 years of experience** in designing and delivering **scalable, cloud-native applications** using **C#, .NET Core**, **SQL**, and **Azure**. Adept at building high-performance **RESTful APIs**, implementing **CI/CD pipelines**, and deploying containerized solutions with Docker. Proficient in **Agile (Scrum, SAFe)** methodologies and passionate about **clean code**, **system design**, and continuous innovation. Proven ability to optimize backend performance, collaborate across teams, and contribute to product evolution in fast-paced environments.

Experience

Mphasis Limited

Associate Software Engineer

Client: HP Inc. India

feb 2022 – June 2025

Bangalore, Karnataka

Feb 2024 – June 2025

- Developed and optimized multiple printer driver applications for unreleased HP **SFP** and **MFP** printer models, improving print performance and reliability across diverse device platforms.
- Utilized **C#** for backend development and XML, HTML for frontend configurations, **reducing driver loading times by 20%** and enhancing user interaction flows.
- Monitored production systems as part of **on-call DRI rotation**, investigated alerts, and executed root cause analysis for issues affecting print services across thousands of endpoints.
- Developed resilient **C#** modules with **observability and logging patterns** to ensure visibility and proactive fault detection.

Client: SBI (State Bank of India)

Feb 2022 – Jan 2024

- Delivered tailored full-stack solutions using **React.js**, **Angular 8**, **Node.js**, **SQL Server**, **C#**, and **Azure** services to enhance user experience and system scalability.
- Designed and implemented scalable **REST API's** for login, signup, KYC, and page authentication from scratch using **C#** and **.NET Core** with the **Repository pattern**, reducing authentication-related errors by 40%.
- Built and maintained **SPAs** leveraging **Angular 8** modules, services, directives, and dependency injection, achieving a highly responsive and modular front-end architecture.
- Optimized **SQL** queries and database schemas, resulting in **30% faster** response times for SBI's high-traffic banking portal handling 100k+ concurrent users.
- Implemented secure **JWT-based authentication** with session storage using cookies and browser session storage, ensuring robust user session management.
- Employed containerization with **Docker** and orchestration using **Kubernetes** to achieve consistent, scalable, and reliable deployments across environments.
- Collaborated with DevOps teams to implement **Infrastructure as Code (IaC)** practices, streamlining deployment workflows and reducing manual errors.
- Took ownership of key backend modules acting as **DRI** for live issues, maintaining **99.95%+ service uptime** for SBI's online banking platform.
- Leveraged **Azure Blob Storage**, **Azure SQL Database**, and **Azure Functions** to deploy scalable, cloud-native solutions enhancing system availability and reliability.
- Designed distributed microservices using **Azure Service Bus**, **Azure SQL**, and **Azure Blob Storage** to handle 100k+ concurrent user load with high availability and fault tolerance.
- Collaborated with global QA, UX, and security teams to deliver release-critical features within **Agile sprints and SAFe ceremonies**.
- Utilized **Azure DevOps** for **CI/CD pipelines**, version control, and task management, accelerating deployment cycles and improving team productivity.
- Documented technical designs, workflows, and API contracts in **JIRA** and **Confluence** to enhance team communication and knowledge sharing.

Auribises Technologies Pvt. Ltd.

Software Developer Intern

August 2021 – October 2021

Ludhiana, Punjab

- Developed and optimized responsive UI components using **React.js**, improving load performance by **25%**.
- Engineered backend services using **.NET Core** and **C#**, enhancing modularity and maintainability.

Education

Guru Nanak Dev University

Bachelor of Science in Computer Science Engg. and Technology

Sep. 2017 – May 2021

Amritsar, Punjab

- **CGPA:** 7.09 / 10
- **Relevant Coursework:** System Designs, Data Structures, Operating Systems, Algorithm Analysis, Database Management, Computer Architecture, Competitive Programming

Technical Skills

Languages: C, C++, C#, SQL, JavaScript, TypeScript, HTML5/CSS3

Backend Frameworks: ASP.NET Core, ASP.NET MVC, ASP.NET Web API, .NET 6/7, Entity Framework Core

Frontend: Angular 8, 10+, React.js, Vue. JS(basics), Next.js(basics)

Distributed Systems: .NET Core Microservices, Event-Driven Architecture, Azure Service Bus, Scalable REST API Design

Databases: SQL Server, MySQL, PostgreSQL, MongoDB

DevOps Tools: Azure DevOps, Jenkins, Git, GitHub, GitLab, SonarQube

Cloud Platforms: *Microsoft Azure PAAS* (App Services, Azure SQL, Blob Storage, Functions)

Containerization and Orchestration: Docker, Kubernetes(basics)

Build Tools: MS Build, Maven(basics))

Testing: xUnit, MS Test, Postman, JMeter

CI/CD: Azure Pipelines, Jenkins, GitHub Actions

Version Control: Git (GitHub, GitLab, Azure Repos)

DRI & Incident Management: On-call Playbooks, Root Cause Analysis, High Availability Systems

Other Tools: Visual Studio, Visual Studio Code, Postman, JIRA, Azure Boards

Projects

ECommerce(firstcommerce) | *React, Redux, Firebase, Firestore*

June 2024

- Built a scalable eCommerce platform with **DRI-like error handling**, centralized logging, and modular Redux architecture to support high-volume concurrent user traffic.
- Utilized Redux for state management, improving application performance and enabling seamless data flow between components, **resulting in a 15% reduction in load time**.
- Conducted thorough testing using Jest and Enzyme, **achieving a code coverage of 90%** and ensuring robustness and reliability of the application
- Supported over **1000+ users** simultaneously to **speed up customer experience 40%** while extracting and storing user data.
- **Live Demo:** ecom.ajaykumar.tech

CERTIFICATIONS

- **Microservices Architecture and Implementation on .NET 5** – Udemy, 2023
- **AZ-204: Developing Solutions for Microsoft Azure** – Cloud Academy, 2023
- **Microsoft Certified: Azure Fundamentals (AZ-900)** – Microsoft, 2023

Additional Involvement

SMART Citizens of Ludhiana

Nov 2021 – Jan 2022

Volunteer Coordinator

Ludhiana, Punjab

- Led and coordinated volunteer teams for community welfare events, facilitating food and shelter access for over **500+ homeless individuals**.

Achievements

- **Excellence Award (2023):** Recognized by SBI's IT leadership for taking complete DRI ownership of the banking platform's authentication microservice.