

Ajay Kumar

Bangalore, India | ajay.ak8302@gmail.com | +91-97793-32773 | [LinkedIn Profile](#) | [GitHub Profile](#)

CAREER OBJECTIVE

Results-oriented **Full-Stack Developer** with over **3 years** of experience in designing and optimizing **scalable web applications**. Skilled in **cloud solutions**, **backend performance tuning**, and **automation**. Proficient in **Agile** methodologies, **RESTful API** development, and **Azure** integration. Passionate about **continuous learning** and driving **innovation** to enhance user experiences and contribute to organizational growth.

EDUCATION

B-Tech in Computer Science Engineering & Technology, **Guru Nanak Dev University, Amritsar, Punjab**

Aug 2017 - Jun 2021

CGPA: 7.09

Relevant coursework: Data Structures and Algorithms, Object-Oriented Programming, Competitive Programming, Database Management System, Operating System.

TECHNICAL SKILLS

Languages:	C#, ASP.NET, SQL, JavaScript, TypeScript, HTML, CSS
Backend Development:	ASP.NET Core, ASP.NET MVC, ASP.NET Web API, .NET 6/7, Entity Framework Core
Frontend Development:	Angular 8+, React.js, Bootstrap
Microservices:	.NET Core Microservices, Azure Service Bus, REST APIs
APIs:	RESTful APIs, gRPC, SOAP (WCF Services)
Database Management:	SQL Server, MySQL, PostgreSQL, MongoDB
DevOps Tools:	Azure DevOps, Jenkins, Git, GitHub, GitLab, SonarQube
Containerization and Orchestration:	Docker, Kubernetes (basic knowledge)
Cloud Platforms:	Microsoft Azure (App Services, Azure SQL, Blob Storage, Functions), AWS (EC2, S3, RDS)
Build Tools:	MSBuild, Maven (basic)
Testing:	xUnit, MSTest, NUnit, Postman, JMeter
CI/CD:	Azure Pipelines, Jenkins, GitHub Actions
Version Control:	Git (GitHub, GitLab, Azure Repos)
Other Tools:	Visual Studio, Visual Studio Code, Postman, JIRA, Azure Boards

EXPERIENCE

Associate Software Engineer

Mphasis Limited

February 2022 - Present, IN, Bangalore

Client: HP India (Current)

- Developed and optimized multiple printer driver applications for unreleased HP **SNF** and **MFP** printer models, improving print performance and reliability across diverse device platforms.
- Utilized **C#** and **C++** and **VC++** for backend development and **XML**, **HTML** for frontend configurations, reducing driver loading times **by 20%** and enhancing user interaction flows.
- Collaborated with cross-functional teams to identify and implement performance improvements, leading to a **15%** increase in printing efficiency and a smoother end-user experience.
- Contributed to the early **validation** and **optimization** of drivers for new printer models, helping reduce time-to-market and ensuring first-release quality standards.

Client: State Bank of India

Key Responsibilities:

- Delivered tailored full-stack solutions utilizing **Angular 8**, **Node.js**, **SQL Server**, **C#**, and **Azure services**.
- Designed and implemented scalable **RESTful APIs** using **C#** and **.NET Core** with the **Repository pattern** to ensure secure and efficient data handling.
- Built and maintained SPAs using Angular 8 modules, services, directives, and **dependency injection**, resulting in a responsive and scalable front-end experience.
- Tuned mainframe logic and optimized **SQL** queries, enhancing query execution speed **by 30%** and boosting overall platform scalability.
- Engineered system architecture enhancements to handle over 100,000 concurrent responses, significantly improving **application speed** and reliability.
- Managed **JWT-based authentication** mechanisms, implementing secure session storage through **cookies** and **session storage**.
- Employed containerization technologies like **Docker** and **Kubernetes** for consistent and efficient application deployment.

- Collaborated with DevOps teams to implement **Infrastructure as Code (IaC)** and streamline deployment workflows.
 - Integrated **microservices** with optimized database schemas, improving system responsiveness and performance **by 30%**.
 - Leveraged **Azure services** such as **Azure Blob Storage**, **Azure SQL Database**, and **Azure Functions** to deploy scalable cloud-native solutions.
 - Developed and integrated key mobility workflows, database synchronization features, and backend modules tied to the **NGXS store**.
 - Participated actively in **Agile** ceremonies like Daily Stand-ups, Sprint Planning, Grooming, and Review meetings to ensure timely and efficient delivery.
 - Utilized Azure DevOps for **CI/CD pipelines**, version control, and task management, streamlining the development workflow.
 - Documented technical designs, workflows, and API contracts in **JIRA** and **Confluence** to ensure clear team communication and knowledge sharing.
-

Software Developer (Intern)

Auribises Technologies Pvt. Ltd., Ludhiana Punjab

August 2021 - October 2021, Ludhiana,

Key Responsibilities:

- Developed U.I. for a web app using **Flutter**.
- Drove the development of a responsive UI for a web app using Flutter, significantly reducing code redundancy through strategic library utilization, showcasing innovation and efficiency.

PROJECTS

Automate Spam News Detection System with >95% Accuracy

- Build **Data analysis** and **responsive visualization** with **Python libraries**. i.e., **matplotlib**, **Seaborn**, **Sklearn**, etc.
- The trained deep learning model achieved **nearly 100%** perfection in obtaining better results for filtering fake news with the **logistic regression model**.
- Resulted from the model penetrating through all 7 phases of ML from scratch.

ECommerce(firstcommerce) - [Link](#)

- 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.
 - Leveraged **Firestore** and **Firebase Auth** for seamless U.I. and robust database operation handling.
 - Supported over 1000 users simultaneously for **speed up customer experience 40%** while extracting and storing user data.
-

CERTIFICATIONS

Microservices Architecture and Implementation on .Net 5 – [Udemy](#) • 2023

- Certified in Microservices Architecture and Implementation using .Net 5

AZ-204 Exam Preparation: Developing Solutions for Microsoft Azure -- [Cloud Academy](#) • 2023

- Certified in Developing Solutions for Microsoft Azure for the project requirements.

Microsoft AZ-900 Certified: Azure Fundamental -- [Microsoft](#) • 2023

- Certified by official Microsoft platform in Microsoft AZ-900
-

ADDITIONAL INVOLVEMENT

Volunteer Coordinator | SMART CITIZENS OF LUDHIANA – *Ludhiana* (November 2021 – January 2022)

Coordinated volunteer efforts for local events aimed at providing food and shelter to homeless population

ACHIEVEMENTS

- Excellence Award of Year 2022-2023