

Aditya Kumar

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SUMMARY

Software Engineer with **3+ years** of experience at **Microsoft**, known for developing scalable **microservices** and cloud-based solutions. Enhanced business processes by streamlining testing cycle, reducing manual review times, and **automating** time-consuming error-prone manual processes. Demonstrated strong **critical thinking** skills as one of the top competitive programmers in India. Proven **leadership** as a Scrum Master, ensuring **agile** practices and fostering team collaboration for optimal productivity.

TECHNICAL SKILLS

Languages: C#, Typescript, Javascript, Python, C/C++, Kotlin, HTML/CSS

Frameworks: Dotnet, Angular, NodeJs, Flask

Tools & IDE: Git, Postman, Visual Studio, VS Code, Figma, Unity

Cloud Tech: Docker, Helm, Kubernetes, Azure

Databases: SQL, DocumentDb, MongoDb, Queues, Pub/Sub Architecture, Azure Storage Solutions

EXPERIENCE

Software Engineer

June 2021 – Present

Microsoft

Hyderabad

- **Designed and implemented microservices** to automate New Product Introduction in the supply chain, utilizing **Docker**, **Helm Charts**, and **CI/CD pipelines** for **Kubernetes deployment**. **Reduced onboarding time** from 15 days to 3 days per quarter, eliminating **human errors** and reducing **customer-reported incidents** to zero.
- Led development of **test platform** automating business process testing, reducing WTP program testing cycle from 2 months to 2 weeks. Platform facilitated **proactive issue pinpointing** in FSL program. Both the programs are critical to Microsoft generating **\$1M+ revenue** each.
- Contributed to **JSON-configurable logging library** adopted by **60+ microservices**, automating **sensitive data masking** and **request/response logging**. As one of the lead developers **code reviews**, **documentation**, and **integration guidance**.
- Authored several reusable **Angular components** including an **Excel Reader**, **CSV Reader**, **Pagination Table**, and **Filtering Components** for an organization-wide private Angular component library. This library is actively used in more than **10 front-end, customer-facing applications**.
- Designed and implemented the **rules review engine** using good design principles to **automate the application review process** for the Founders Hub's program (Startups for Microsoft). This engine **reduced the review time** from 5 minutes to less than a minute
- Designed and built an **event-driven architecture** solution to **process more than 500K events per day** from 14 different services. The solution **enabled tracking of business process statuses** in the Supply Chain and **proactively pinpointed faults**.
- Utilized **Azure Data Factory**, **Kusto Clusters**, and **PowerBI** to create dashboards for supply chain bots. These dashboards enabled developers to **understand usage metrics** of APIs/commands in chats and **identify key focus areas** for development.
- Delivered talks on **leveraging co-pilot** and **using blockchain** for organizational improvements. Hosted quizzes and learning sessions, incorporating **AI tools** to enhance engagement and make sessions more interactive.
- As a **Scrum Master**, planned and prioritized the team backlog, conducted **daily standups**, **weekly demos**, and **retrospectives** aligned with Agile methodologies. Ensured **ADO hygiene** and addressed **compliance and security issues** as top priorities.

Software Engineer Intern

May 2020 – June 2020

Microsoft

Remote

- Enhanced organization-wide private NuGet library with critical features: **JSON Reader**, **CSV Reader**, and **Redis Cache Adapter**. Supported by over **200** developers, these additions streamlined data handling and retrieval across projects.
- Enhanced the private NuGet library by **migrating critical features** from a legacy library, **ensuring compatibility** and addressing **missing functionalities**.

- Created **CI/CD pipelines**, and **versioning checks** and guidelines to streamline the process of **NuGet package creation**. Other teams later adopted the practices of isolating their **pre-release packages** and **general release packages**.
- Wrote **unit tests** for the library, which had more than 50k lines of code. Increased the **code coverage** for the library from **1.2% to 98%**, which gave the teams the confidence to use the **feature-rich library** in production services.

Software Engineer Intern

May 2019 – July 2019

We Create Problems

Bengaluru

- Created **customer-facing static pages**, Fixed **business-critical front-end bugs** of the code evaluation system. The fixes significantly improved the **user** and **admin journey** on the product.
- Upgraded the source code of the product from **Angular 4 to Angular 8** which helped the company close critical backlogs due to **version conflicts**.
- Integrated **sentry** (an open-source tool) for better **error/bug reporting** in the product which helped the product create an efficient mechanism for capturing bugs automatically.
- Built a few **static landing pages** for a **B2C product** of a company which helped the company complete the product pipeline better.

EDUCATION

National Institute of Technology, Trichy

8.72 CGPA

Bachelor of Technology in Computer Science And Engineering, Minor in Management

Aug. 2017 – May 2021

Kendriya Vidyalaya, ISP

96.8%

12th, CBSE Science

April 2015 – May 2017

Kendriya Vidyalaya, ISP

10.0 CGPA

10th, CBSE Science

April 2013 – May 2015

AWARDS & ACHIEVEMENTS

Appreciation From Microsoft Leadership: Received appreciation for stepping up to resolve security incidents for other teams. Received another appreciation for working on **stretch goals** and **navigating a time-critical** project.

Master at Codeforces: Achieved a rating of 2100 at Codeforces which puts me in the top **60 in India** and in the top **1.7% all over the world**.

3rd Position At Pragyam Hackathon: Awarded for developing an autonomous diving solution at the International Techno-Management Festival of NIT Trichy.

Outstanding performance in 12th CBSE: Received letter of appreciation from the then **Education Minister**, secured first position in Science stream in my District.

Represented India in Japan At Sakura Science Exchange Program: Was selected as one of the **40 students all over India**.

National Level Tennis Player: Represented KVS at SGFI two times (2012, 2014). Received the best player award at IIT BHU's annual sports meet Spardha (2019).

PROJECTS

Personal Dev Blog | *Python, Flask, Jekyll*

[Blog Link](#)

- Developed personal blogging page using Jekyll and markdown.
- Deployed the blog on GitHub Pages using GitHub workflows.
- Deployed the backend for tracking metrics on Azure websites, added additional security to make the APIs accessible from the personal domain.

CF Tracker | *Angular*

[Deployed App](#)

- Developed an Angular application for users to track their progress on Codeforces.
- Used local storage to optimize API calls and the user's status for problems.

To Do App | *NodeJs, MongoDB, JQuery, Bootstrap*

[Source Code](#)

- Created a full stack application using NodeJs and Express.
- Users can create to-do lists, set priorities, edit, and delete items.
- Implemented a feature to schedule meetings using Authentication.