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 2029
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 Pragyan 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.