

NAGARAJU KOTCHARLAKOTA

Senior Software Engineer

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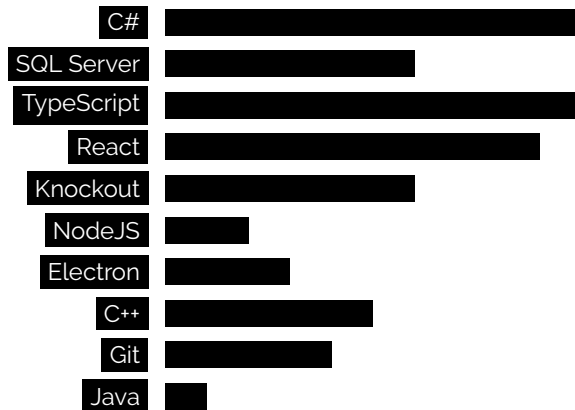
STRENGTHS

- Ability to learn a new technology fast
- Thinking about solutions out of the constraints
- Performance

TECHNICAL EXPERIENCE

- Cloud Services (Azure)
- RESTful services, Web development, both backend (C ASP.NET) and frontend (Typescript, React)
- Desktop Applications using Electron, C#, C++ using MFC/MMC/Win32

PROGRAMMING EXPERIENCE



EXPERIENCE

- 2011 – till date **Senior Software Engineer** Microsoft
I have worked in Azure DevOps Manual Testing, Azure DevOps Marketplace, Visual Studio Code Lens and Visual Studio Coded UI Test teams.
- 2007 – 2011 **Senior Software Engineer** IBM
Have joined IBM - India Software Labs as a campus hire. Have worked in the development team of FileNet P8 suite of products.

EDUCATION

- 2005 – 2007 **Master of Technology in CS** NIT Calicut, India
8.85 – CGPA
- 2001 – 2005 **Bachelor of Technology in CSE** Deccan College of Engineering and Technology, Hyderabad, India
66%

RECOGNITION/AWARDS

- 'Star Award' for the cutting down 95 %le Marketplace homepage load time by more than a half.
- Nominated as Technical Advisory committee member on behalf of Microsoft for T-Hub (A government of Telangana initiative)
- Won people's choice award for VS.in hackathon in June 2015

LEADERSHIP

- Owner for multiple features with up to 5 engineers
- Performance tenet champion for AzDev.IN representing 4 to 5 feature crews
- IOT chapter lead for The Garage India
- Technical Advisory Committee member for T-Hub

HIGH LEVEL OVERVIEW OF PROJECTS

| | | |
|--------------------|--|------------------|
| May 18 – till date | Marketplace and Azure Test Plans | Microsoft |
| | <ul style="list-style-type: none">• Shipped a new electron client for running manual tests for Azure Test Plans. Was the E2E owner for this feature consisting of 5 team members. Wrote Win32 native module for docking support.• Worked on migrating and syncing test point outcome back from TCM microservice to TFS service.• Exploratory Testing chrome extension for GitHub POC | |
| | C# / SQL Server / TypeScript / Electron / NodeJS / React / MobX / Win32 | |
| Oct 15 – May 18 | Marketplace | Microsoft |
| | <ul style="list-style-type: none">• Performance tenet owner for Marketplace.• Reduced the 95th percentile home page load time from 14 seconds to <6 seconds. Removed VSSF framework dependency to achieve the same. As part of the same reduced the bundle size from 800kb to <100kb.• Server Side Rendering spike for home page and helped the Server Side Rendering effort for Details page which got our APDEX score to 0.9. Which made our team take a very different approach to reach 0.9 APDEX when compared to every other team in Azure DevOps.• Implemented MoonCake CDN for dynamic bundling in the common web platform. Which is used by other Azure DevOps services also to cater to China users.• Shipped features like QnA, Acquisition, etc. (Received good appreciation regarding the design we have come up with for Acquisition scenario)• Shared Experiences – Loaned for quickly completing the Gates feature in Release Management team• Client Side Analysis tool – made a tool which converts un-readable client stack trace that we get via telemetry to point to typescript source code. This tool is used by teams across Azure DevOps to analyze client side traces. | |
| | C# / ASP.Net / SQL Server / TypeScript / Knockout / React / Re-Flux / MobX / NodeJS | |
| Oct 13 – Oct 15 | Visual Studio Code Lens | Microsoft |
| | <ul style="list-style-type: none">• Created a DRI tool which sends automated emails with reports of live site health. This tool and model were used for long time in other teams as well.• Setup a backup TFS machine for testing. This is a clone of TFS server which used to host source code of Visual Studio and TFS.• Moved to Developer role as part of Combined engineering change• Developed the File Level Indicators for Git and TFVC | |
| | C# / MEF / Maddog | |
| June 11 – Oct 13 | Visual Studio Coded UI Test | Microsoft |
| | <ul style="list-style-type: none">• Joined Microsoft as an SDET.• Refactored the record and playback test framework as the first project• Created frameworks for Remote record local playback• Owned BVT and NAR machine setup automation using Maddog• Performance tenet owner for CUIT and 4 other feature crews• Wrote a performance framework – which was used by other teams as well to write automated performance tests | |
| | C# / MEF / Coded UI Test / Maddog | |

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|-------------------|--|-----|
| Nov 10 – June 11 | Business Process Manager | IBM |
| | <ul style="list-style-type: none"> • Worked on Process Engine Profiling tool (part of BPM) which generates load on Process Engine and Case Analyzer tool which provides analytics Content Engine and Process Engine of FileNet P8. | |
| | Core Java | |
| March 10 – Nov 10 | Advanced Case Management | IBM |
| | <ul style="list-style-type: none"> • Quickly ramped up on new technology (Java) and contributed back to the project. | |
| | Java | |
| Aug 07 – March 10 | FileNet Enterprise Manager | IBM |
| | <ul style="list-style-type: none"> • Features to bug fixes for multiple releases of Enterprise Manager tool which was part of IBM FileNet P8. • Was part of most of the Performance related issues and fixed a customer issue which reduced the time taken from 20 minutes to < a second. | |
| | VC++ / Win32 / MFC / MMC Framework / COM | |