

Akash Panchal

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👤 PROFILE

Seasoned **Software Development Engineer** specializing in **Angular** and **.NET** with 4+ years of experience in creating scalable, responsive web applications. Skilled in High-Performance Computing (**HPC**) technologies, Linux, and more, delivering solutions that align with both user experience and business goals.

📁 PROFESSIONAL EXPERIENCE

- Staff Engineer**, *Syncious Systems Pvt Ltd* 📍 12/2020 – present
Pune, India
- Develop and enhance the **SynchPC platform**, focusing on seamless integration of legacy applications while building and implementing new features to support evolving needs.
 - Led client meetings, increasing satisfaction by 20% and boosting retention.
 - **Design, customize, and implement** client-requested features, significantly enhancing offerings.
 - Collaborate with project managers, developers, QA teams, and clients to troubleshoot technical issues and ensure project success.
 - Deliver **Level 2 and Level 3** support to customers, addressing technical issues with timely and effective solutions to ensure high satisfaction.
 - Conduct technical interviews for potential hires, assessing their **technical proficiency** and alignment with team needs.
 - **Plan and execute** strategies for system scalability, accommodating a growing user base and increased data
 - **Mentor** and guide juniors and interns, fostering professional growth and contribution to the team.

🧠 SKILLS

Frontend — *Angular, JavaScript, Typescript, HTML5, SCSS, Bootstrap, RxJS*

Backend — *.Net Core, NodeJs*

Databases — *MySQL, MSSQL*

Others — *Git, Linux, Shell Scripting, Docker, Slurm, High-Performance Computing, Azure DevOps, Windows HPC Pack*

📁 PROJECTS

- SynchPC**, *HPC and VDI Management Platform* 12/2020 – present
- **Engineered a Hybrid HPC management platform** to streamline both on-premise and cloud HPC resource management.
 - Implemented automated scaling to dynamically allocate resources based on workload demands, improving system efficiency.
 - **Enhanced job scheduling capabilities** to optimize the prioritization and execution of complex simulations.
 - Developed user management functionalities, ensuring secure and efficient access control across multiple user groups.

- Built **usage analysis** features to provide insights into resource consumption, helping guide strategic planning.
- Improved workload distribution by designing robust resource allocation features, supporting high-performance simulations.
- Developed a **comprehensive storage management** module, enabling seamless access and operations on storage solutions from multiple cloud providers, supporting concurrent multi-cloud storage management.
- **Integrated APIs** from multiple cloud providers to retrieve and manage data related to clusters and virtual machines (VMs).
- Ensured **enterprise-level security** for user data and simulation processes, maintaining data integrity and compliance.
- Worked with advanced monitoring tools to track system performance, improving infrastructure reliability.
- Facilitated seamless cloud integration, enabling flexible resource usage for resource-intensive HPC tasks.
- Implemented **various authentication methods**, including Local Auth, Active Directory, Microsoft Auth, Okta, and SAML, enhancing secure user access.
- Integrated direct terminal access within the web platform for secure and accessible machine control.
- Developed an admin-configurable settings panel, enabling management of application-wide settings for improved customization.
- **Reduced customer support tickets** by 40% through enhanced error handling.
- Addressed critical production issues promptly, ensuring 99.9% system uptime.
- Reduced technical debt through code refactoring, improving long-term maintainability.
- Technologies used : **Angular, Bootstrap, Materials, C#, .NET, Python, NodeJs, Socket, Xterm.js, MSSQL, Linux**, and various NPM libraries.

SyncInfra, IT Asset Management Platform

04/2024 – present

- Developed **Automated Detection Mechanisms** for automatic issue detection, generating real-time alerts and email notifications when assets exceeded threshold limits, logged critical events, or encountered security vulnerabilities.
- **Streamlined the troubleshooting** process by integrating asset search and **real-time parameter** checks into SyncInfra, enabling support engineers to access detailed asset information and guidance from a single interface, improving response time for user-reported issues.
- Implemented comprehensive inventory tracking to scan, track, and log IT asset inventory changes, facilitating audit compliance and **historical tracking** with automated audit logs for easy **asset management**.
- Developed asset monitoring and reporting systems to track asset health and performance, including system uptime, resource utilization, and network activity, with regular report generation for stakeholders on asset status, utilization, and performance.
- **Created analytics tools** within SyncInfra to assess asset usage and performance metrics, providing insights for resource allocation, capacity planning, and budgeting, leading to optimized resource utilization and informed decision-making on upgrades or expansions.
- Technologies used : **Angular, Bootstrap, Materials, C#, .NET, NMAP, Windows, Powershell Scripting, NodeJs, MSSQL**

Server Operations Hub

12/2023 – 01/2024

- Streamlined user experience for server storage operations by developing and optimizing an application, simplifying the process by 60%.
- Implemented a robust logging framework and workflow across the entire application, ensuring comprehensive tracking, analysis, and resolution of application events and errors.
- Designed and developed a secure terminal interface within the browser, enabling direct and secure communication with the server while maintaining 100% data integrity.
- Technologies used : **Angular 16, Nebular UI, Nodejs, Xterm.js, Socket, Linux**

EDUCATION

MCA, *Lovely Professional University*
7.63 CGPA

03/2022 – 08/2024

BSc IT, *ICLES' Motilal Jhunhunwala College, Vashi*
6.76 CGPI

2017 – 2020

Vashi, Navi Mumbai

Higher Secondary, *ICLES' Motilal Jhunhunwala College, Vashi*
54.31 %

2015 – 2017

Vashi, Navi Mumbai

Secondary School, *Saraswati Vidyalyaya*
76.80 %

2014 – 2015

Airoli, Navi Mumbai

INTERESTS

Chess | Indoor Games | Coding | Reading

LANGUAGES

English | Gujarati | Hindi | Marathi