Shashiguru Keluth

TECH LEAD | FULL-STACK & CLOUD PLATFORM ENGINEER | APPLIED
AI SPECIALIST

Details

📍 Singapore

📞 +65 88391012

✉ shashikumar8782@gmail.com

NATIONALITY
Indian

DATE OF BIRTH
15/07/1994

Links

LinkedIn
GitHub

👤 Profile Summary

Tech Lead and **Full-Stack Engineer with 8+ years of experience** designing and delivering **cloud-native, data-intensive platforms** across **renewable energy, government, and healthcare** domains. Currently leading development of **enterprise-scale renewable energy analytics platforms** at Sembcorp, supporting **Solar, Wind, Battery, and Water assets** across multiple global markets.

Strong expertise across **frontend, backend, microservices (GRPC), DevOps, and Azure PaaS**, with end-to-end ownership from architecture to production. **Applied AI Specialist** focused on integrating **GenAI and agentic workflows** into real-world systems to automate analytics, decision support, and operational processes at scale. Proven leader with experience managing teams, stakeholders, and complex multi-market deliveries.

★ Certifications

Year	Examination	Candidate Id
2020	AZ-900: Microsoft Azure Fundamentals	H570-7367
2020	DP-900: Microsoft Azure Data Fundamentals	H581-5705
2020	AI-900: Microsoft Azure AI Fundamentals	H614-8420

🎓 Education

Year	Examination	Institution & Board/University	Percentage
2016	B.E	Chaitanya Bharati Institute of Technology (Osmania University), Hyderabad	74%
2012	Diploma	Govt Institute of Electronics (SBTET), Secunderabad	74%
2009	Class X	Ravi Teja High School (SSC), Marikal	79%

💼 Employment History

Tech Lead & Applied AI Specialist, Sembcorp Utilities Pte Ltd, Singapore

APRIL 2024 — PRESENT

- Lead development of an **enterprise renewable analytics platform** supporting **Solar, Wind, Battery, and Water assets** across multiple countries.
- Own **architecture and technical direction**, implementing **microservices using GRPC, Node.js, and .NET**, deployed on **Azure Kubernetes Service**.
- Designed and delivered a **self-service access control platform** with approval workflows, improving governance, security, and operational efficiency.
- Manage and mentor a cross-functional engineering team, ensuring **on-time milestone delivery** and high code quality.
- Act as primary technical interface for stakeholders across **India, Singapore, Oman, Vietnam, Indonesia, Malaysia, and Philippines**.
- Implement **agentic AI workflows** using **AutoGen and MCP** to automate analytics and operational decision-making.
- Oversee **CI/CD pipelines, DevOps practices, and Azure PaaS services** to ensure platform scalability, reliability, and security.

Skills

Backend & Architecture
.Net Core 6.0, Entity Framework, Node JS, GRPC Microservices, REST APIs

Frontend
.Net Core MVC, Angular, React (18), Next.js, PrimeNG, Angular Material, Chart.js, AM Charts, MUI, AntD, Redux

Cloud & DevOps
Azure PAAS Services, Docker, Kubernetes, Azure DevOps CI/CD, BitBucket, Octopus, ARM Templates

Data & Messaging
MSSQL, MongoDB, PostgreSQL, Apache Kafka, Azure Service Bus, KQL

AI & Automation
GenAI (OpenAI)
Agentic frameworks: AutoGen, CrewAI, LangGraph, MCP

Unit Test:
XUnit, FakeItEasy, Jest, React Testing Library, Jasmine, Karma

Engineering Practices
Agile / Scrum, SAFe Agile

Full-Stack Developer, U3 Infotech Pte Ltd, Singapore

Client: Sembcorp Industries Pte Ltd, Singapore

JULY 2023 — APRIL 2024

- Built **real-time and historical analytical dashboards** for renewable energy generation across **Wind, Solar, Battery, and Water** portfolios.
- Developed a **Vendor Invoice Management System** automating invoice entry, validation, and approvals, reducing processing time and errors by **~30%**.
- Designed and implemented a **Blockchain Explorer** to generate, track, and monitor energy tokens, improving transparency and traceability.
- Implemented scalable APIs for analytics using **.NET Core, Node.js, and KQL**.
- Created **reusable frontend component libraries**, accelerating feature development and consistency.
- Integrated authentication and authorization using **Azure PaaS services**.
- Built and maintained **CI/CD pipelines** using **Azure DevOps and Docker**.

Senior Software Engineer, Innovatiq Technologies Pte Ltd, Singapore

Client: IRAS, Singapore

APRIL 2022 — JULY 2023

- Designed and implemented **event-driven microservices and Kafka handlers** for high-volume government systems.
- Delivered complex business modules with **zero production defects** under tight timelines.
- Authored technical design specifications and collaborated closely with business users.
- Mentored interns and junior engineers across multiple technology stacks.
- Achieved **~95% unit test coverage** through automated testing.
- Integrated **Azure APIM, Application Insights, Key Vault, Azure AD, and AKS**.
- Implemented CI/CD pipelines and release workflows using **Azure DevOps**.

Senior Software Engineer, Heron Health India Pvt Ltd (CALYX AI), Hyderabad

FEBRUARY 2020 — MARCH 2022

- Built **two client applications and one backend API** from scratch and delivered within committed timelines.
- Onboarded **23+ APIs** into **Azure API Management**, implementing security, throttling, and monitoring policies.
- Developed and released the **Parexel Developer Portal** without production issues.
- Designed a **frontend application framework** using React, Next.js, Redux, and Material UI.
- Implemented APIs using **clean architecture and mediator patterns**.
- Automated infrastructure provisioning using **ARM templates**.
- Built CI/CD pipelines using **TeamCity and Octopus** and produced HLD/LLD documentation.
- Actively participated in **SAFe PI planning and Scrum ceremonies**.

Software Engineer, Accenture Solutions Pvt Ltd, Hyderabad

JANUARY 2017 — FEBRUARY 2020

- Developed enterprise applications using **.NET Core, ASP.NET MVC, and Azure PaaS**.
- Built large-scale batch and console applications processing **millions of records**, hosted as **Azure WebJobs**.
- Migrated legacy Windows services to **microservices-based APIs** using **.NET Core and Docker**, deployed on **AKS**.
- Implemented web applications using **Angular, ASP.NET MVC, Entity Framework, and SQL Server**.
- Collaborated with client technical managers to resolve blockers, risks, and architectural decisions.
- Actively participated in **Agile and SAFe ceremonies**, including PI planning.

I hereby declare that the above information is true to the best of my knowledge and belief.

Date:

Place: Singapore.

Shashiguru Keluth