

# SWETHA KASTURI

+918466919092 ◇ Hyderabad, India

[iamskasturi@gmail.com](mailto:iamskasturi@gmail.com) ◇ [linkedin.com/swetha-kasturi](https://www.linkedin.com/swetha-kasturi) ◇

## OBJECTIVE

---

Lead Software Engineer with 8+ years of experience building scalable backend systems using Java, Spring Boot, Elasticsearch, and AWS. Known for driving platform-level initiatives and mentoring engineering teams. Currently exploring AI-integrated architectures like Retrieval-Augmented Generation (RAG) and vector search using Pinecone. Seeking impactful roles where product thinking meets engineering execution. .

## EDUCATION

---

**Bachelor of Engineering – Computer Science**, CVR College of Engineering, JNTU Hyderabad      2012 - 2016

## SKILLS

---

### Technical Skills

Java, Spring Boot, Hibernate, Elasticsearch, AWS, MySQL, DynamoDB, Kubernetes (basic)

### Soft Skills

Team Leadership, Communication, Agile/Scrum, Mentorship, Cross-functional Collaboration

### Strategic & Emerging Skills

Product Thinking, System Design, Innovation Ideation, Scalable Architecture, AI/LLM Awareness (RAG, Pinecone, Vector Search)

## EXPERIENCE

---

### Lead Software Engineer

Mar 2023 – Present

Head Digital Works

*Hyderabad, India*

- Architected and led the development of platform-critical modules, including centralized configuration management, secure secrets orchestration via AWS Secrets Manager, and multi-tenant infrastructure governance.
- Designed and implemented resiliency patterns to ensure fault tolerance and high availability in real-time communication pipelines for gaming products.
- Collaborated cross-functionally with DevOps and Product teams to align backend scalability and infrastructure decisions with evolving business and technical requirements.
- Defined and advocated backend engineering standards through internal tech talks, documentation, and design reviews focused on high-throughput event processing and cloud-native architecture.
- Mentored junior and mid-level engineers, contributed to backend hiring strategy, and implemented structured onboarding programs to accelerate team productivity.
- Proposed and prototyped **Chess666** — a gamified reimagining of chess with monetized bounties, showcasing leadership in product innovation.

### Senior Software Engineer

May 2021 – Mar 2023

Demandbase

*Hyderabad, India*

- Led a mission-critical upgrade of the Elasticsearch cluster (5.x to 7.x) with zero downtime, enhancing indexing throughput and query performance across customer-facing applications.
- Unified authentication systems across multiple products into a consolidated identity platform, reducing complexity and improving security posture.
- Played a key role in architectural decisions for backend pipelines, collaborating closely with product managers, data engineering, and QA to align technical solutions with business goals.
- Mentored junior engineers through code reviews, design sessions, and continuous feedback; contributed to engineering hiring by leading technical interviews and evaluation panels.

- Recognized with a company-wide award for exceptional technical contributions and impact on platform reliability.

## Software Engineer

InsideView (Acquired by Demandbase)

Oct 2018 – May 2021

*Hyderabad, India*

- Developed and maintained backend services for core B2B intelligence platforms like Refresh, Enfresh, and Insights.
- Played a key role in transitioning the monolithic backend to a scalable microservices architecture using Java, Spring Boot, MongoDB, and MySQL.
- Collaborated with cross-functional teams, including Product and QA to translate business requirements into reliable backend systems.
- Gained foundational experience with AWS cloud services and CI/CD tooling to deploy, monitor, and maintain microservices in production environments.
- Took on additional responsibility as Scrum Master, facilitating sprint ceremonies, managing team velocity, and improving delivery predictability across sprints.

## Associate Software Engineer

CAPIOT Software (Startup)

July 2016 – Oct 2018

*Hyderabad, India*

- Developed backend services for enterprise-grade platforms such as **MyPass Global**, **Vennu**, and **Omni Data Platform**, delivering features for workforce compliance, venue management, and visual data modeling.
- Took full ownership of feature modules from design to delivery and stepped into team leadership responsibilities during senior resource gaps on the Vennu project.
- Contributed to building microservices using Spring Boot and Java, gaining hands-on experience in designing REST APIs and backend service orchestration.
- Wrote custom Gradle build scripts to automate builds, reduce manual errors, and support CI/CD integration.

## PROJECTS

---

**Bonus Engine – A23 Games.** Designed and built a mission-based rewards platform for player segmentation and campaign execution, driving real-time engagement and personalized offers.

**Chess666 – Internal Product Innovation.** Proposed and prototyped a monetized variant of chess introducing bounty mechanics per piece. Drove gameplay design, reward system, and internal stakeholder presentations.

**Realtime Analytics Engine – A23 Platform.** Built a high-throughput distributed event processor to track key metrics (logins, KYC, redemptions), supporting time-windowed dashboards across products.

## EXTRA-CURRICULAR ACTIVITIES

---

- Supporting a friend's early-stage startup as a technical advisor and backend architect, contributing to infrastructure design, and proof-of-concept validation.

## LEADERSHIP

---

- Proposed and prototyped **Chess666** — a strategic reimagining of chess with monetized bounty mechanics — and presented the concept directly to the CEO, showcasing product innovation, bold thinking, and cross-functional influence.