

SUHAS PALANI

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SUMMARY

Full-Stack Engineer with 3+ years of experience building scalable microservices and AI-driven platforms. Expertise in Python, Node.js, Next.js, and Azure/AWS. Proven track record of improving system performance by 30% and automating workflows to reduce manual effort by 90%. Award-winning developer (TikTok Tech Jam, OraHacks) passionate about driving innovation in AI, automation, and DevOps within high-impact engineering teams.

SKILLS

- **LANGUAGES:** Go | Python | Java | JavaScript/TypeScript | SQL | C# | HTML/CSS
- **FRAMEWORKS:** Spring Boot | Hibernate | Node.js | React | Angular | Flask | FastAPI | .NET Core | GraphQL | Next.js | Django
- **CLOUD & DEVOPS:** Kubernetes | Terraform | AWS | GCP | Azure | Docker | Jenkins | CI/CD Pipelines
- **DATABASES & MESSAGING:** PostgreSQL | MySQL | MongoDB | Redis | DynamoDB | Kafka | RabbitMQ
- **AI & DATA TOOLS:** TensorFlow | OpenAI APIs | Apache Spark | Hadoop | Flink | NLP | GPT Integration
- **TOOLS & MONITORING:** Git | Postman | Swagger | Keycloak | JMeter | Selenium | Jira | New Relic
- **CONCEPTS:** Microservices | Event-Driven Architecture | TDD | Agile | SDLC

WORK EXPERIENCE

FULL STACK DEVELOPER – Tundra Technical Solutions, Chicago, IL

Nov 2025 - Present

- Led end-to-end development of an AI-powered customer support chatbot using Next.js, LangGraph, OpenAI modern APIs.
- Designed a RAG-based backend with Pinecone, boosting recommendation relevance by 45% and reducing LLM hallucinations.
- Built AI-driven customer support workflows generating Jira tickets, helping internal teams resolve customer issues faster.
- Delivered production-ready application on Azure, reducing customer support workload by 40% across enterprise teams globally.

SOFTWARE ENGINEER INTERN – ONEBIT, INC.

Aug 2025 – Nov 2025

- Built an idempotent ETL pipeline for 2,000+ clients, using distributed locking for data consistency and no duplicates.
- Developed a transfer detection service that pairs internal transfers, shielding 15% of transactions from expense misclassification.
- Implemented a double-entry ledger system ensuring 100% transactional balance and an immutable financial audit trail.
- Created daily reconciliation to automatically confirm 99.8% cash balance accuracy, minimizing financial drift risk.

FULL STACK SOFTWARE DEVELOPER - Budhhi Technologies, (Non-profit Organization, Volunteer)

Jan 2025 – Aug 2025

- Built AI matchmaking system using Python and TensorFlow, increasing match accuracy by 30% across 500+ profiles.
- Designed automated NDA platform on Node.js and AWS Lambda, cutting legal review times by 40% effectively.
- Delivered responsive React/Redux applications with PostgreSQL, improving user engagement by 25% and page load efficiency.
- Deployed containerized AWS infrastructure with Docker, ensuring 99.9% uptime and enhanced system scalability.

SOFTWARE ENGINEER INTERN - Hamilton Digital Assets, Chicago, IL

Oct 2024 – Dec 2024

- Developed secure auth microservice using MongoDB, Kafka, and Keycloak, minimizing security flaws and downtime by 40%.
- Streamlined CI/CD automation pipelines, accelerating release cycles by 50% and improving developer productivity across teams.
- Built performant React and React Native apps with GraphQL APIs, enhancing UI speed and data delivery efficiency.
- Launched AI chatbot using Node.js and Kubernetes, reducing customer response delay by 30% across multiple support channels.

FULL STACK SOFTWARE ENGINEER INTERN - Whiterock Technologies, Bengaluru, KA

Mar 2022 - May 2023

- Improved website throughput by 15% using Dockerized load testing, handling 500+ concurrent daily requests seamlessly.
- Created adaptive UI layouts for multiple devices, growing mobile traffic by 20% and session duration by 12%.
- Integrated REST APIs between frontend and backend, eliminating 25% of data errors during multi-platform synchronization.
- Automated QA testing within CI/CD pipelines, detecting 8 critical bugs per sprint and improving product quality consistently.

EDUCATION

Illinois Institute of Technology, Chicago, IL

Aug 2023 - May 2025

Master of Science, Computer Science, GPA 3.60

PROJECTS

TRACKSPLITAI

Feb 2025 – Jun 2025

- Architected a 7-service FastAPI ecosystem using Terraform to provision AWS EKS clusters, achieving 99.9% uptime.
- Designed event-driven backend integrating RabbitMQ, MongoDB, and Gemini API for AI-based expense automation workflows.
- Built secure React/TypeScript interface with JWT auth and Stripe payments, supporting seamless multi-user real-time tracking.
- Automated CI/CD deployments via Kubernetes clusters, validated for 100K transactions under heavy concurrent user loads.

MEDIBOT SCHEDULER

Apr 2025 – May 2025

- Developed Spring Boot AI chatbot backend automating patient support workflows, cutting manual ticket volume by 40%.
- Implemented Apache OpenNLP for intent recognition, enhancing natural language understanding and query accuracy levels.
- Managed 1,000+ monthly queries efficiently, achieving faster resolutions and improved satisfaction among clinic users.
- Delivered optimized conversation routing pipeline, reducing agent workload and accelerating average response time by 40%.

SUMMARAIZE

Apr 2024 – Sept 2024

- Built cross-platform Flask and React Native app, increasing content engagement and retention by 28% across mobile users.
- Deployed summarization microservices on AWS Kubernetes, achieving stable real-time performance with continuous CI/CD.
- Created and integrated 25+ REST endpoints, enabling dynamic AI chat for news summarization and meeting insights.
- Earned recognition at OraHacks and TikTok Tech Jam (top 600+ teams) for innovation in AI-driven mobile solutions.

HONORS AND ACHIEVEMENTS

- Top 12 Finalist, TikTok Tech Jam 2024 – Recognized for developing a scalable backend system from 600+ teams. Aug 2024
- Winner, OraHacks 2024 – Led an AI mobile app with text-to-video/audio news, voted top solution. Apr 2024
- Published Paper: "API Contract Driven Testing," Int'l Conference on Advanced Engineering & Technology Jun 2023
- Outstanding contribution for Department of Computer Science at university level May 2023