

Avaneesh Khandekar

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SUMMARY

Product driven software engineer with 4+ years of experience building secure, high-performance systems. Skilled in cloud, distributed systems, and AI solutions, focusing on efficient architecture, clean code, and automation.

EDUCATION

- **University of Florida** Gainesville, Florida
Master of Science (M.S.) in Computer Science (GPA: 3.96/ 4.00) August 2023 – May 2025
- **University of Pune** Pune, India
Bachelor of Engineering (B.E.) in Computer Engineering (GPA: 8.78/ 10.00) August 2016 – May 2020

EXPERIENCE

- **Software Engineer** Miami, Florida
Kaseya May 2025 – present
 - Building Kaseya Security Information and Event Management (KSIEM), a multi-tenant SIEM platform designed to ingest and correlate security events at massive scale across 60+ security and SaaS integrations.
 - Built distributed event ingestion pipelines with webhook processing, schema normalization, payload routing, and backpressure handling for reliable, low-latency processing.
 - Engineered advanced typeahead event filtering with server-side search, pagination, and virtualization in React, featuring live result counts across 35M+ daily events, reducing MSP triage time by 30%.
 - Engineered AI-powered spec-driven TDD workflows that converted PM requirements into actionable issues, accelerating developer delivery speed by 3-5x.
 - Expanded security event tracking and notifications to 100% of critical user actions, strengthening compliance and safeguarding 5M+ end users.
- **Software Engineer Intern** Jacksonville, Florida
Citizens Property Insurance Corporation June 2024 – August 2024
 - Prototyped a RAG-based conversational AI chatbot using LangChain and OpenAI GPT API to deliver 95% accurate real-time financial insights by automating natural language-to-SQL conversion and transformation of raw financial data on Azure, cutting processing time by 50%.
- **Systems Engineer Full Stack** Pune, India
The Vanguard Group (Consultant with TCS) August 2020 – June 2023
 - Architected an event-driven AWS notification system (Lambda, SQS, SNS), reducing missed appointments by 80% and improving customer engagement for millions of investors.
 - Migrated legacy monolith web services to RESTful Java Spring Boot microservices on AWS ECS with DynamoDB, increasing scalability by 60% and enabling future product growth.
 - Developed a modern, responsive Angular/Node.js/TypeScript Investor Profile App, reducing page load times by 40% and improving advisor workflow.
 - Implemented multi-region cloud disaster recovery to ensure 99.99% uptime and system reliability.
 - Built a configurable PII-masking and log-sanitization framework for JSON-based systems, strengthening data security compliance and reducing audit and release effort by 20%.
 - Mentored and trained team members in Python, Java, AWS, Angular, and Agile, improving team proficiency.

TECHNICAL SKILLS

Languages: Python, TypeScript, Go, Java, SQL, NoSQL.

Frameworks: React, Express, Node.js, Angular, Spring Boot, Flask, Langchain.

Databases & Caching: Firestore, PostgreSQL, DynamoDB, MongoDB, Redis, ElasticSearch.

DevOps & Tools: Git, Docker, GitLab, Swagger, Jira, Splunk, Datadog, Bamboo.

Cloud: AWS (certified), Firebase (Google Cloud Platform), Azure.

PROJECTS

- **Unibazaar** Go, React, MongoDB, PostgreSQL, AWS
 - Developed a hyper-localized university marketplace app enabling students to buy, sell, and trade second-hand items, replacing disorganized chat transactions.
- **Text Redactor** Python, NLP
 - Built a text and concept redaction tool using SpaCy NER, regex, and NLTK WordNet (WUP score), achieving 93% accuracy while processing 3000+ files and 500+ words per minute.
- **Customer Churn Prediction** Python, Machine Learning
 - Created churn prediction models on IBM Telecom data with up to 80% accuracy, enhancing retention insights.