

Sujith Gowdru | Software Developer

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SUMMARY

Software Engineer with around 5 years of experience building scalable backend systems, cloud-native applications, and AI-powered platforms using Python, AWS, and microservices architecture. Proven experience delivering GenAI solutions, REST APIs, data pipelines, and CI/CD automation across insurance, healthcare, and banking domains. Strong background in testing, compliance, and production reliability in regulated US enterprise environments.

SKILLS

Programming & Scripting:	Python, Java, SQL, JavaScript, Bash/Shell, HTML/CSS
Web & Frameworks:	Flask, FastAPI, Django, Spring Boot, Pandas, NumPy, PyTorch, Tensor Flow, Scikit-learn, Lang Chain
Cloud & Databases:	AWS (Lambda, ECS, Bedrock, S3, RDS, Glue, Athena), Azure DevOps, GCP, PostgreSQL, MySQL, MongoDB, Redis
DevOps & Testing:	Docker, Kubernetes, Jenkins, GitHub Actions, Terraform, Ansible, CI/CD Pipelines, PyTest, Unit & Integration Testing, TDD, Selenium
API & Microservices:	REST API, GraphQL, Microservices, API Gateway, Swagger/OpenAPI, FHIR, HL7 V2, Circuit Breaker
AI/ML & Methodologies:	GenAI, Agentic AI, NLP, AWS Bedrock, Anthropic Claude, Palantir Foundry, AI model deployment, Agile, Scrum, OOP, Design Patterns, JIRA, Postman

EXPERIENCE

Software Developer AIG, NJ	July 2025 – Current
<ul style="list-style-type: none">Expanded GenAI underwriting assistant using Python and AWS Bedrock with Anthropic Claude to automate middle-market submissions, processing 100% nonprofit business and improving structured data accuracy from 75% to 90%.Designed and scaled Python REST APIs and microservices integrating Palantir Foundry to deploy agentic AI workflows, enabling automated extraction and processing of 125+ commercial insurance data elements.Strengthened AI system reliability and NAIC governance compliance by expanding PyTest coverage, implementing integration tests, and validating AI agent outputs in regulated production environments.Optimized PostgreSQL performance through query tuning and schema improvements for digital twin ontology systems, supporting real-time underwriting decisions, auditability, and enterprise-scale GenAI adoption.	
Software Development Intern AIG, NJ	Feb 2025 – May 2025
<ul style="list-style-type: none">Developed GenAI data ingestion and extraction modules using Python and AWS Bedrock, improving accuracy, scalability, and consistency of AI-driven underwriting decision pipelines.Built Flask and FastAPI services integrating Palantir Foundry with underwriting and claims platforms, enabling secure, low-latency, real-time data exchange across distributed enterprise systems.	
Software Developer CitiusTech, India	Jan 2023 – Sep 2023
<ul style="list-style-type: none">Implemented FHIR and HL7 v2 compliant REST APIs using Python to enable real-time clinical data interoperability, significantly reducing healthcare system integration latency and manual data exchange effort.Automated AWS-based healthcare data pipelines using Python, Lambda, and Aurora PostgreSQL, improving operational efficiency by 50% while securely processing large-scale patient records and insurance claims.Ensured HIPAA compliance and production reliability by maintaining 92%+ PyTest coverage, optimizing PostgreSQL and MongoDB queries, and integrating Epic EHR systems using FHIR parsers.	
Application Developer Associate Accenture, India	Jan 2022 – Dec 2022
<ul style="list-style-type: none">Built and maintained Python-based REST APIs using Flask and FastAPI for banking cloud migration initiatives, supporting AWS-based deployments and accelerating release cycles by 40%.Assisted in designing cloud-native microservices on AWS Lambda and ECS, focusing on scalability, fault tolerance, and database optimization.Implemented CI/CD pipelines using Docker, Jenkins, and Azure DevOps with 88%+ PyTest coverage, ensuring secure and compliant enterprise deployments.	
Software Developer Hexaware Technologies, India	Oct 2019 – Dec 2021
<ul style="list-style-type: none">Developed backend automation services using Python and REST APIs for healthcare adverse event detection and insurance policy management systems, reducing case review turnaround time by 28%.Contributed to AWS ECS-based microservices for claims processing, implementing circuit breaker and saga patterns under senior engineer guidance.Supported CI/CD adoption using Docker and Kubernetes with 85%+ test coverage, improving deployment consistency and client onboarding timelines.	

EDUCATION

Masters in Computer Science Pace University, NY	2025
Bachelors in Computer Science Visvesvaraya Technological University (VTU), India	2021

PROJECTS

Interview Questionnaire Generation using LLMs

- Built a full-stack application using React.js, Typescript, Node.js, MongoDB, and Lang Chain, integrating LLMs (OpenAI, Llama) to generate and evaluate role-specific interview questions, improving on boarding speed by 50% and HR efficiency by 30%.

Age, Gender and Emotion Detection using Deep Learning

- Led development of a CNN-based Android application trained on 700k+ images to perform real-time age, gender, and emotion detection, achieving 87.43% accuracy and increasing user engagement by 40%.