

SUNNY WILLIAM RALPH

Senior Software Engineer - Backend

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PROFESSIONAL SUMMARY

Results-driven Backend Developer with 4+ years in Python, cloud platforms, and scalable distributed architectures. Skilled in microservices, AI/Gen-AI, and SDLC execution, recognized for improving system reliability, performance and scalability, while leading cross-functional teams, and delivering stakeholder value.

LANGUAGES AND TECHNOLOGIES

Languages: Python3 | JavaScript

Frameworks: Django | Flask | FastAPI | Express.js

AI: RAG | Prompt Engineering | LangChain | LlamaIndex | LLM Agents | Bedrock | VertexAI

Cloud: AWS - ECS, EC2, Lambda, Glue, RDS, Neptune, SES, SNS | Google Cloud | Azure

Tools: Kubernetes | Docker | Git | Terraform | Helm

Technologies: RabbitMQ | Airflow | Prometheus | Grafana | Github Actions

Databases: Redshift | Postgres | Redis | MongoDB | DynamoDB | Cassandra | MySQL

EXPERIENCE

Senior Software Engineer, Gleecus Techlabs Inc.

07/2024 – Present | Hyderabad

Projects:

Gen-AI Powered Data Analysis (LumennAI), Lead Engineer, Cloud Architect

Skills: LLMs, Langchain, RAG, Django API Development, AWS, Elasticsearch, Lambda, API Gateway, WebSockets, Bedrock

- Led the technical development and launch of a RAG-based Gen-AI data analysis application, building backend components on AWS using Python, Langchain, and cloud-based LLMs.
- Designed and implemented core backend services, including API middleware for LLM inference, secure API endpoints, and automated AI-driven data quality validation pipelines, which significantly improved data integrity and reduced manual effort.
- Deployed centralized logging and monitoring infrastructure using Elasticsearch, Kibana, and Fluentbit, which effectively reduced issue resolution time by nearly 30%.

Vigedash Business Intelligence Platform, Backend Engineer

Skills: AWS, Python, Django, Polars, Pandas, Airflow, Snowflake, Redshift, Spark, Redis, VertexAI

- Architected a scalable multi-tenant SaaS Business Intelligence dashboard on AWS, which is now utilized by over 10 enterprise healthcare clients.
- Designed and implemented ETL pipelines leveraging Spark and Airflow, effectively integrating data from diverse healthcare systems into Redshift and Snowflake for comprehensive analytics and reporting.

- Significantly improved API performance by switching from Pandas to Polars, resulting in up to 70% faster processing of large datasets, integrated Redis caching to cut high-traffic API response latency in half, and replaced legacy cronjobs with Airflow orchestration, reducing report generation time by 50%.

Research Gateway – Hybrid Cloud Provisioning Portal, Lead Backend Engineer

Skills: Azure, AWS, NodeJS, AngularJS, RBAC, ARM Templates, Service Catalog

- Led the design and implementation of Azure orchestration features for a self-service hybrid cloud provisioning portal, integrating with existing AWS capabilities, thereby expanding the platform to support true hybrid cloud provisioning.
- Architected and delivered a modular Role-Based Access Control (RBAC) system for 500+ B2B users with varying access needs, implemented across a shared NodeJS/AngularJS codebase, enabling support for diverse customer types via modular components.
- Authored AWS to Azure orchestration documentation, reducing new engineer onboarding by over 60%. Managed parallel development integration and QA for stable production releases with zero major regressions, and improved legacy architecture for modularity and extensibility.

Software Engineer, Gleecus Techlabs Inc.

07/2021 – 06/2024 | Hyderabad

Projects:

Elderlylife, Lead Backend Engineer

Skills: Civo K3s, AWS, NodeJS, RabbitMQ, Docker, AlertManager, Horizontal Pod Autoscaling

- Built a cloud-native, containerized infrastructure on Civo Cloud using k3s, with secrets management, cronjobs, and autoscaling to ensure system health and availability.
- Secured traffic with TLS, Traefik ingress, and ElasticIP, establishing robust security protocols.
- Automated CI/CD with GitHub Actions and set up centralized monitoring with Grafana, Loki, and Prometheus for proactive incident response and reliability.

Payroll Reconciliation Platform, Backend Engineer

Skills: AWS, Python, NodeJS, Oracle HCM, Pandas, Docker, Lambda, CloudFormation

- Designed and built a cloud-native SaaS platform automating payroll, benefits, and GL modules from Oracle HCM.
- Created reconciliation logic with Python (Pandas) for large payroll/time data, using AWS Lambda for scalable, cost-optimized workflows.
- Secured APIs with JWT and oAuth2, and managed infra via CloudFormation for automated provisioning and CI/CD across environments.

Profintech, Backend Engineer

Skills: AWS Neptune, Athena, Glue, Spark, ECS, Lambda, EC2, Python, Selenium

- Built scalable data pipelines integrating real-time and batch data, delivering a Knowledge Graph in AWS Neptune with semantic search and relationship mapping.
- Developed a private blockchain network with custom consensus and smart contracts, enhancing governance and access controls.
- Drove MVP deployment in under 3 months, piloted with 100+ SMEs across 3 Indian states, earning recognition from the Indian Government Startup Accelerator.

ACCOMPLISHMENTS

Certified AWS Cloud Practitioner, AWS

EDUCATION

M.C.A. (IT), MATS University

2016 – 2018 | Raipur

B.C.A. (IT), MATS University

2013 – 2016 | Raipur