**SUBRAHMANYA K P** Portfolio: www.whoissubbu.in

subrahmanya.kp@outlook.com +91-9113842339 in/subrahmanya-k-p-964733184

## Professional Summary:

Results-driven SRE and Developer with near 4 years of expertise in automating deployments, enhancing system reliability, and building cloud-native, scalable AI healthcare platforms. Proven success in reducing downtime, improving observability, and ensuring regulatory-compliant deployments.

## TECHNICAL SKILLS

| Skill Area | Details |
|---|---|
| Cloud & Platforms | AWS (EC2, S3, RDS, Lambda, IAM), Azure (AKS, DevOps), Linux |
| Backend Development | Python, Django, REST APIs, C# (.NET) |
| Containerization | Kubernetes, Docker, Helm |
| Infrastructure as Code | Terraform, Ansible, CloudFormation |
| CI/CD & DevOps | GitHub Actions, GitLab CI, Jenkins, Snyk, Git |
| Monitoring & Observability | Datadog, Grafana, Prometheus, Teleport, Endpoint Central |
| Healthcare Standards | DICOM, PACS Integration |
| Others | MQTT, Kafka, Postman, Countly |
| Currently Learning | RAG, Vector Databases, MCP, LangChain, AI/ML Infrastructure & MLOps, Cursor & Claude Code, Make.com, LightLLM |

## WORK EXPERIENCE:

**Qure. Ai** Oct 2024 - Present
**Designation**: Site Reliability Engineer

**Rashtriya Chemical and Fertilizers (PSU)** Jun 2024 – Sep 2024
**Designation**: IT officer
**Role:** .Net Developer and DevOps Engineer

**Tata Consultancy Services** Aug 2021 - Jun 2024
**Designation**: Systems Engineer
**Role:** DevOps Engineer

## Projects:

| **Project 1** | **autoRECIST** |
|---|---|
| **Organization** | **Qure.ai** |
| **Responsibilies** | • Contributed to backend development for the AutoRECIST workflow using the Django framework, implementing logic to support automated tumor response evaluation.<br>• Managed AutoRECIST infrastructure hosted on AWS, ensuring high availability and scalable performance.<br>• Conducted hands-on training sessions for client teams on deploying AutoRECIST across varied environments and automated key deployment steps to minimize manual overhead. |

| | |
|---|---|
| **Project 2** | qXR, qCT |
| **Organization** | Qure.Ai |
| **Tools & Technology Used** | Python, AWS, Docker, Django, Postgres, Grafana |
| **Role** | Site Reliability Engineer |
| **Responsibilities** | • Developed an automated installer for **Linux-based** devices, reducing deployment time from hours to minutes and minimizing manual intervention.<br>• Spearheaded on-site troubleshooting that resolved critical production issues, achieving a **3× productivity boost** for the client's **qXR workflow**.<br>• Deployed **qXR** across analog systems, **AWS Cloud**, and on-premise infrastructure while ensuring compliance with regional regulations in **Vietnam** and **Dubai**.<br>• Served as Technical Point of Contact (POC) for multiple clients, providing **24/7 support**, implementing real-time feature enhancements, and ensuring system stability.<br>• Architected scalable, fault-tolerant infrastructure for **qXR** using **AWS EC2**, **Auto Scaling**, **S3**, **IAM**, **RDS**, and **NGINX**, ensuring high availability.<br>• Established end-to-end monitoring and alerting with **Datadog** and **Grafana**, improving system observability and incident response times.<br>• Integrated **qXR** with hospital **PACS** systems via **DICOM protocol**, automating image retrieval and submission to optimize radiology workflows.<br>• Built an internal report generation tool with **Django**, automating high-frequency tasks and reducing turnaround time from hours to minutes.<br>• Designed and deployed secure, scalable **AWS** infrastructure for **qCT** using **EC2**, **S3**, **RDS**, integrated with **Django**, **PostgreSQL**, and **NGINX**.<br>• Developed **RESTful APIs** and backend pipelines to enable seamless integration with external healthcare systems.<br>• Actively participated in **Agile Scrum** sprints, contributing to task tracking via **Jira**, conducting code reviews, and maintaining code quality. |

| | |
|---|---|
| Project 3 | Gateway |
| Organization | Qure.ai |
| Responsibilities | • Worked extensively with the DICOM protocol to support healthcare interoperability and imaging workflows.<br>• Developed features and maintained backend functionality for the Gateway product using Django and PostgreSQL.<br>• Deployed the Gateway application at multiple client sites, automating deployment steps to reduce setup time and manual intervention. |

| | |
|---|---|
| Additional Contibutions | |
| Organization | Qure.ai |
| Responsibilities | • Collaborated with researchers and professors at the University of Calgary to benchmark and annotate qCT data across 1,500 patient cases, helping validate product performance.<br>• Designed and developed a Django-based automation solution for recurring internal requests, significantly improving operational efficiency and reducing manual workload.<br>• Gained hands-on experience with modern development and automation tools including **Cursor, Claude Code, LightLLM, Make.com, and MCP.**<br>• Developed and maintained multiple REST APIs for various products and integration pipelines. |

| | |
|---|---|
| | • Led infrastructure setup in regulatory-sensitive regions like Vietnam and Dubai, adhering strictly to legal and compliance requirements.<br>• Standardized organization-wide monitoring by implementing centralized alerting using Datadog and Grafana.<br>• Used remote system management tools such as Teleport, Endpoint Central, and Countly for client-side monitoring and issue resolution.<br>• Functioned as Technical POC for various clients, driving smooth communication and effective implementation.<br>• Delivered consistent client support through rotational shifts and weekend on-call availability.<br>• Proficient in Agile-Scrum methodologies, sprint ceremonies, and Jira-based project tracking. |

| | |
|---|---|
| **Project 4** | IFF Digital Twin |
| **Organization** | TCS, (Client: Intel) |
| **Tools & Technology Used** | Kubernetes, Docker, Helm, Jenkins, Git, AWS, Linux, Docker, Postman |
| **Role** | DevOps Engineer |
| **Responsibilities** | • Build continuous integration & continuous deployment pipeline using Jenkins<br>• Writing Docker files for docker images to be used for application deployment<br>• Manage source code repository using GIT<br>• Deployments using Docker repo<br>• POD Management in Kubernetes Cluster<br>• Prepare high level documentation explaining Installation & Configuration. |

**Certifications & Awards:**

---

Research Paper:

- Built a model to overcome the input limitation of BERT for the use case of contextual question and answering.
- Built a system that enables the client to interface with the capabilities of the model via a RESTful API.
- Link to the Research Paper

Certifications-

- **AZ-900** Azure Fundamentals
- AWS Certified Cloud Practitioner

Awards-

- **Customer Delight ->** Received for doing multiple POCs and getting good feedback, appreciation from engagements
- **Star Team award ->** Received for good work performance in the project

**EDUCATION:**

---

- B.E From **Dr. Ambedkar Institute of Technology**, Bengaluru — Aug 2017 – June 2021
- 12th From Jawahar Navodaya Vidyalaya (CBSE Board) — 2016
- 10th From Jawahar Navodaya Vidyalaya (CBSE Board) — 2014