PALLAVI SEKAR

Software Developer

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EDUCATION

Postgraduate Degree, Mobile Solutions Development (Co-op)   September 2024 – December 2025
Conestoga College.   **Waterloo, ON, Canada**
- Developed expertise in full-stack development, iOS app development, and cloud solutions.

Bachelor of Engineering in Electronics and Communication Engineering (3.6/4)   June 2017 – May 2021
Anna University   **Karur, TN, India**

SKILLS

Healthcare & IT Support:	System troubleshooting, end-user assistance, workflow optimization, incident resolution
Backend Development:	Python (Django, Flask, FastAPI), Java (Spring Boot, Spring MVC), Groovy, Node.js (Express), C#, Wildfly, Redis Cache.
Frontend Development:	JavaScript, Angular, HTML, CSS, PHP, React JS, React Native
Databases:	Postgres , Oracle(Certified), MySQL, MariaDB, MongoDB, Elasticsearch
DevOps & Cloud:	AWS, Azure, Jenkins, Docker, Kubernetes, GitHub Actions, Microsoft Azure
Monitoring & Analytics:	Grafana, Prometheus, Kafka, Rabbitmq, Data Analytics (SQL, Python, Power BI, Excel), Data Visualization, Data Quality Improvement
Tools:	Figma, Adobe XD, Visual Paradigm (UML)
OS & Networking:	Windows, macOS, Linux, VPN configuration, connectivity troubleshooting

WORK EXPERIENCE

Giggso Inc   **Remote, ON, Canada**
Software Developer – Co-op (May 2025 – August 2025)
- Built Python-based automation for Salesforce Knowledge Base updates, improving healthcare data accuracy.
- Migrated workflows from StackStorm to n8n, reducing system complexity and improving maintainability.
- Supported deployment cycles by providing troubleshooting and customer-facing technical support.
- Designed and implemented REST API integrations to synchronize data between Salesforce and internal services.
- Developed and maintained workflow logic in n8n, including error handling, retries, and logging for production reliability.
- Collaborated with cross-functional teams to gather requirements and translate them into automated solutions.
- Wrote reusable scripts and documentation to support onboarding and long-term maintenance of automation pipelines.
- Participated in code reviews and testing to ensure reliability, security, and compliance with healthcare data standards.
- Implemented data validation and consistency checks to prevent incorrect healthcare content updates.
- Worked in Linux-based environments to monitor automation jobs, analyze logs, and resolve workflow failures.
- Assisted DevOps teams by validating deployments and supporting post-release checks in staging and production systems.
- Assisted in monitoring automation failures and resolving production issues to maintain SLA commitments.
- Automated generation of deployment and workflow reports to improve transparency and help management track system performance metrics.

Giggso Inc   **Remote, ON, Canada**
Senior Software Engineer / Team Lead (February 2024 – April 2025)
- Led DevOps and backend initiatives for enterprise healthcare apps, ensuring system reliability and operational excellence.
- Built real-time monitoring dashboards for system performance, incident response, and data reporting.
- Drove architectural decisions for backend services, balancing scalability, security, and cost efficiency.
- Mentored engineers through code reviews, design discussions, and delivery planning to improve team

output.

- Coordinated releases and production support, managing incidents and post-mortems to prevent recurrence.
- Defined operational standards for monitoring, alerting, and logging across backend services.
- Acted as a technical point of contact for stakeholders, translating business needs into engineering deliverables.
- Led DevOps practices including CI/CD governance, infrastructure monitoring, and production readiness reviews.
- Oversaw Kafka-based event streaming workflows to support real-time data processing and system integrations.
- Streamlined incident management processes by implementing automated alert routing and escalation policies, reducing response times.

Giggso Inc **Chennai, TN, India**
Software Engineer (February 2022 – January 2024)
- Configured real-time system monitoring to reduce downtime, a key aspect of organizational readiness for system changes.
- Implemented containerized deployments with Docker and Kubernetes for scalability.
- Designed and maintained CI/CD pipelines in Jenkins and GitHub Actions to support agile development workflows.
- Developed backend services and automation scripts to streamline internal operations and deployments.
- Collaborated with product and QA teams to troubleshoot production issues and optimize performance.
- Improved deployment reliability by introducing automated testing and rollback strategies in CI/CD pipelines.
- Refactored legacy services to improve maintainability, performance, and deployment consistency.
- Worked with Apache Kafka to enable asynchronous, event-driven communication between backend services.
- Supported Linux servers for application deployment, monitoring, and incident troubleshooting in production environments.

BioCliq AI – AI for Medical Imaging **Chennai, TN, India**
Software Engineer (June 2021 – February 2022)
- Developed Java microservices (Spring Boot) for DICOM image processing in medical imaging solutions.
- Implemented monitoring dashboards to improve system visibility and enable proactive troubleshooting.
- Implemented monitoring dashboards to improve visibility into system health and processing latency.
- Optimized service performance to handle large imaging datasets efficiently.
- Worked closely with research and clinical teams to translate requirements into production-ready features.
- Ensured secure handling of medical imaging data in compliance with healthcare data standards.
- Assisted in deploying and supporting backend services in production environments for clinical use.
- Deployed and managed backend services on Linux systems, handling configuration, logging, and runtime monitoring.
- Assisted in integrating message-based processing pipelines to support scalable image ingestion and analysis workflows.
- Integrated image processing pipelines with asynchronous job queues to handle high-volume DICOM data efficiently.

PROJECTS

Stridez – Fitness & Rewards Mobile App
- Designed and developed a mobile application that tracks user steps and converts activity into redeemable reward points.
- Focused on UX-driven design to promote healthy habits and consistent app usage.
- Implemented a machine learning-based meal recommendation system that predicts personalized meal plans based on calories burned, weight, and height.
- Implemented user authentication and secure data storage to protect personal health and activity information.

Android wear os Companion App(Non - Standalone)
- Designed and developed a non-standalone Android Wear OS application that functions as a companion to a mobile Android app.
- Implemented data synchronization between the mobile app and the Wear OS device using paired-device communication APIs.
- Added offline caching capabilities to allow the wearable app to function when disconnected from the paired mobile device.