

Samson Jeeva Kumar Sargunadoss

Senior Software Developer

PROFESSIONAL SUMMARY

Diligent cloud software engineer around 6+ years of experience in commercial application development from overall 10+ years of IT experience in delivering enterprise solutions in IoT, Telecom workflow and web-based arena at Onshore & Offshore assignments. Expertise in conceptualizing, designing and developing microservices architecture, RESTful APIs, and web applications using Python, Angular and cloud technology stacks. Eager to build innovative and cutting-edge business solutions for the impressive suite of clients with global reach. Excellent analytical and communication skills to work with mid-size teams, technical and business leadership.

WORK EXPERIENCE

Zonar Systems | Seattle, USA(Remote)

Senior Software Engineer | Nov 2021 – Dec 2023

- Lead a team of software developers (Offshore) programming applications for IoT industry clients.
- Organize team's workflow and backlog (from scratch)
- Organize technical workshop to tackle problems (security, performance, architecture)
- Push for software best practices, code reviews, automated testing, CI & CD.
- Was responsible for quality of applications delivered to the customers.
- Designed and developed IoT web applications and solutions for connected IoT device using Angular that integrates several API services created using Python Fast API.
- Developed and implemented a new microservices architecture using Python, resulting in a 40% increase in system reliability and a 25% reduction in bug-related delays.
- Implemented IoT protocols and communication standards, ensuring seamless data exchange.
- Collaborated with hardware engineers to integrate devices into IoT ecosystems.
- Developed and maintained secure and scalable IoT platforms.
- Actively monitored and troubleshooting deployments using Datadog to ensure data integrity and system reliability.
- Collaborate closely with cross-functional teams to conceptualize, prototype, and deploy IoT projects.


Tech Mahindra | Toronto, Canada


Cloud Software Engineer | Dec 2018 – Nov 2021

- Designed and deployed Network & Infrastructure services on Azure to host mission-critical application Artificial Intelligence for IT Operations (AIOps) with high availability, fault tolerance, security, and disaster recovery.
- Formulated and led an Infrastructure as Code & Orchestration project using Python, Azure Cosmos and ELK stack.
- Collaborated with customers, projects lead, and cloud vendors to perform requirement analysis, capacity planning to focus on performance and cost.

CONTACT

 samsonjeeva15@gmail.com

 +1 (647) 446 3393

 Toronto, ON Canada

SKILLSET

Cloud Technologies

GCP, Google IoT Core, Clearblade IoT, Docker & Kubernetes, & Azure Cloud Platform, Google Pub/Sub

Framework / Languages

Python, Fast API/ Flask, Pytest, Angular 6+, Angular Material, React & Nextjs

Domain Knowledge

IoT, Telecom

Database

MySQL, MongoDB, ELK Stack, Azure Cosmos DB & Oracle



Source Code Tools & Utilities

VS Code & PyCharm, Git, Docker & Kubernetes, CI/CD, Datadog & JIRA







Methodologies

Agile Methodologies, DevOps

CERTIFICATIONS

-  Certified Microsoft Azure DevOps Solution Engineer
-  Certified Microsoft Azure Cloud Architect

SOFT SKILLS

-  Teamwork and communication
-  Creative problem solving
-  Analytical thinking
-  Owning up to errors
-  Self-learning
-  Time management

- Implemented CI/CD pipeline using Azure DevOps components in collaboration with automation testing team. Therefore, reduced the deployment time of infrastructure and application by 70%.
- Implement the service using Python, Fast API & Flask and developed UI interface using Angular 6+ and created Azure pipeline that made the development process, testing, consumption of the application more efficient.
- Gather and evaluate user requirements in collaboration with product managers and engineers.
- Coordinate between Data Scientists and Business Analysts
- Test and deploy APIs & several web applications on Azure platform

Tech Mahindra | Chennai, India

Application Developer | Aug 2016 – Nov 2018

- Gather and evaluate user requirements in collaboration with product managers and engineers
- Illustrate design ideas using storyboards, process flows and sitemaps
- Design graphic user interface elements and integrate with J2EE & Python APIs.
- Develop UI mockups and prototypes that clearly illustrate how sites function and look like
- Prepare and present rough drafts to internal teams and key stakeholders
- Identify and troubleshoot UX problems and fixed in prod environment (e.g. hot fixes)
- Communicate with clients to understand their business goals and objectives
- Develop technical and business requirements and always strive to deliver intuitive and user centered solutions
- Configure & maintain Docker build, Kubernetes deployments using CI/CD pipelines.

Indomer Coastal Hydraulics Pvt. Ltd | Chennai, India

Software Developer | May 2010 - Aug 2016

- Convert Customer requirement into functional and technical specification.
- Worked closely with developers to define and configured application Servers
- Applications, Web Services, JDBC drivers
- Assigned Task to team members and maintain scrum process.
- Ensure that all development practices comply with the company's best practices, policies and procedures.
- Involved in capturing the business requirements, design, development and testing of the application.
- Preparing the design documents for the enhancement.
- Developed new requirement with agile methodology.
- Worked on bug fixing and enhancements on change requests.
- Helping Team Members in trouble shooting and finding the solutions to the problems
- Analyzing and fixing defects.

PREVIOUS EXPERIENCE

Software Developer, Bhavishya Tech Soft Pvt. Ltd, Chennai, India Java Developer – Application Development	March 2009 – April 2010
Assistant System Engineer, Tata Consultancy Services, Kolkata, India Java Developer – Application Development & Support	Oct 2007 - Feb 2009

EDUCATION

Anna University / Government College of Technology, Coimbatore, India

Bachelor of Information Technology (May 2007)

RESIDENT STATUS

Country: Canada

Visa & Work Permit: Permanent Resident

Valid up to: July 31, 2026