

Rajaram Jagadeeswaran

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[My Portfolio](#) | GitHub: <https://github.com/Rajaram-Jagadeeswaran>

PROFILE

- Passionate about cloud-native and system-level software development with strong interests in high-performance networking and infrastructure.
- Over **3 years of experience** in designing and developing scalable enterprise solutions using full-stack technologies and low-code platforms like Appian, with strong integration into cloud ecosystems.
- Hands on experience in building CI/CD automation, expertise in AWS resources, machine learning, and AI for innovative solutions, with a focus on programming such as React, JavaScript & Express.js creating visually appealing websites.
- **MSc in Cloud Computing from NCI**, leveraging cloud technologies on scalable programming and fog/edge computing.
- Proven ability to work with cross-functional teams and engage stakeholders effectively, with a track record of managing production support and maintenance.
- Currently in Ireland with **Stamp 1G**, I'm available immediately to work across the country.

TECHNICAL SKILLS

- **Programming & Frameworks:** Python, Appian, HTML/CSS, Bootstrap, JavaScript (ES6), React, Django, PowerShell.
- **Tools & Software:** Agile methodologies, JIRA, SonarCloud, VS Code, Postman, Cursor AI, Claude, Helpdesk Ticketing Systems.
- **Version Control:** GitHub, GitHub Actions, CI/CD pipelines.
- **Backend & DBMS/ Data Handling:** Proficient in Python (Flask, SQLAlchemy), Node.js, MySQL.
- **Cloud Technologies:** Proficient in **Amazon Web Services** with direct expertise in services such as (EC2, S3, Lambda, SNS, CodeDeploy, Elastic Beanstalk, API Gateway, RDS, SageMaker, Bedrock).
- **Systems & Networking:** SDN concepts, REST APIs, SLA, Active Directory & Group Policy, Networking (VPN, TCP/IP, DNS).
- **Security & Governance:** Secure coding best practices, code review, monitoring and governance compliance.

WORK EXPERIENCE

Associate Technical Consultant, [Jul 2021 – Aug 2023]

WNS-Vuram Technologies, Chennai | India

- Enhanced South Australia's government land acquisition system using JavaScript to enhance web functionality and streamline data handling, achieving a **25% increase in processing efficiency**.
- Integrated third-party services using Flask and RESTful APIs, **increasing service reliability by 30%** and reducing response time by 20% and boosting overall system functionality using Postman testing.
- In KONE, Led the development & delivered the module "Competency" enabling controlled access for pool users across regions, improving access configuration efficiency by 40% and ensuring modular scalability.
- Collaborated with cross-functional teams during KNOE production deployments, optimizing deployment workflows through **active log monitoring** and achieving 15% faster issue resolution via proactive support.
- Incorporated **LLM-powered smart services** into geospatial workflows, increasing map processing speed and accuracy while reducing manual effort by **30%**, in collaboration with CRM and development teams.
- Collaborated with IT infrastructure & support teams to align development efforts with backend upgrades during deployment, ensuring seamless operations and reducing production disruptions.
- Supported in deploying critical system updates and security patches through coordinated validations and logs, ensuring compliance with organizational timeliness and enhanced system stability.
- Created documentation including design specifications & release documents via JIRA for stakeholder transparency. Received **recognition from TDM & BA** for maintaining sprint delivery targets and achieving over 90% satisfaction in team.

Intern (Developer), [May 2021 – Jul 2021]

Tata Consultancy Services, Chennai | India

- Contributed as Scrum master and led API integration efforts for third-party tools.
- Improved test case coverage by **25%, contributing to QA automation** and reducing bug rates in UAT.
- Developed python-based software to assess user satisfaction from facial expressions improving **prediction accuracy by 15%.**
- Debugged SAIL applications on Appian platform focusing on dashboards, reports & forms for better user experience.

CERTIFICATIONS

- Minor in AI and Data Science – Indian Institute of Technology (IIT) (In Progress)
- AWS Cloud Practitioner Certificated in 2024
- Appian Associate Developer Certificated in 2023.
- Statistical Thinking for Data Science and Analytics offered by ColumbiaX in 2021
- Achieved “THE JOY OF COMPUTING PYTHON” certification in ELITE category through NPTEL in 2021.
- Conducted Webinar with association with ICT Academy in the topic of “Employability Skills for The Future” in 2021.

EDUCATION AND TRAINING

Master of Science in Cloud Computing [Sep 2023 – Nov 2024]

National College of Engineering, Dublin | Ireland

Modules: Cloud Architecture, Cloud DevOpsSec, Blockchain Technology, Cloud Machine Learning, Scalable Cloud Programming, Fog and Edge Computing, Data Governance, Research Thesis

Bachelor of Engineering in Computer Science [Aug 2018 – May 2022]

Anna University, Chennai | India

Modules: Data Structure, Agile Methodology, DBMS, Internet of Things, Mobile Computing, SPM, Software Testing, OOPS, Deep Learning, Big Data & Analytics

PROJECTS

Ecommerce System / **Cloud Platform Programming**, Nov 2023

- Deployed with AWS CodeDeploy, Elastic Beanstalk; implemented static code analysis using Pylint & SonarCloud.
- Emphasized system scalability with SNS, Lambda, API Gateway and live performance through CI/CD pipelines.

Cloth Manufacturing Safety simulation / **Fog & Edge**, Apr 2024

- Managed simulation of an edge-based IoT system using eclipse under maven project for the clothing manufacturing industry.
- Achieved 30% bandwidth reduction compared to traditional cloud systems, enhancing cost-effectiveness and scalability for customer.

Optimizing Healthcare Framework / **Research Thesis**, Sep 2024

- Research on improving healthcare AI model accuracy and efficiency.
- Ensured ethical compliance by using anonymized sensitive data for model training.
- Conducted experiments using custom AWS Bedrock and AWS SageMaker with Hyperparameter tuning.
- Successfully improved the quality & contextual relevance of AI-generated content through systematic evaluation & feedback.
- Enhanced AI model performance by implementing structured ranking methodologies.

Web3 application | **Blockchain**, Apr 2024 - A React NFT minting application, deployed on the Sepolia test ether network.

Personal Portfolio, May 2025 - Built and hosted a personal portfolio (react with tailwind)–[Live Link](#)

Others - [GitHub](#)