

BAKIYALAKSHMI PALANI

AWS Certified Developer Associate | Full-Stack Developer

Chennai, India | 📞 +91-74491-50327 | ✉ bakiyapalani1997@gmail.com | 🌐 GitHub: github.com/bakiyaa
🔗 LinkedIn: [linkedin.com/in/bakiyalakshmi97atinfinity/](https://www.linkedin.com/in/bakiyalakshmi97atinfinity/) | 🌐 Portfolio: bakiyaa.github.io/Portfolio

Skills

Programing Languages: Java(Primary), Python3(secondary), C++, Data Structures (Leetcode, Algorithm Design, Problem Solving), **Web:** Angular14, HTML5, CSS Grid, JavaScript, **Databases:** Oracle, MongoDB (storage and Aggregation)
Back-End and Framework: Spring MVC, Spring Boot, Hibernate, JPA, Camel, AOP, Drool Engine, SOAP, Microservices, REST
DevOps & CI/CD: Docker, Git, Jenkins, Unix/Linux (Scripts)
Messaging & Event Processing: MQ, Kafka, Distributed Systems
AWS: Lambda, SNS, SQS, CloudFormation, ECS (**DVAC02**)
GCP: Sheets, Vertex AI, RAG Framework, Gemini, Big Query (**L400 Skill Badge**)
Testing Tools & Automation: Selenium (WebDriver), Junit-Mockito, CATDM, Grafana (loading)
Intermediate: Figma, Thyme leaf, Free Marker, Eureka, JMeter, Cucumber, Terraform

Professional Summary

AWS Certified Developer Associate and skilled Full-Stack Developer with over 6.5 years of experience. Excels in building scalable cloud-native applications, microservices using Spring Boot, leveraging GCP and AWS technologies to form solutions and solve challenges.

Experience

| Software Engineer | <u>Capgemini</u> | Chennai, TN, INDIA | 08/2022 - Current |
|--|------------------|--------------------|-------------------|
| <ul style="list-style-type: none">Led the design and implementation of scalable microservices and APIs for the Barclays LoanIQ wholesale lending system enabling loan trading, processing using Spring Boot, messaging frameworks, databases, and integration tools.Designed and built an enterprise-level microservice using Spring Boot, MongoDB, Apache Kafka, and BSP authentication, integrated with the LoanIQ system to handle millions of requests efficiently. Implemented AOP for performance metrics and ensured secure communication using JWT and SOAP/REST APIs.Developed and maintained a critical component of the Barclays pool funding system in a real-time environment, ensuring its smooth operation and seamless integration with the broader system using Spring Boot, XML, Autosys, Camel router, MQ, Kafka, JWT, and Oracle.Handled Market Pre-Trade Analysis- Barclays TCW, making key modifications in code, deploying fixes, and resolving issues, resulting in a 43% efficiency boost and fewer critical errors using java11, Spring, Hibernate, drool rule Engine, SQL, and MQ.Continuous Integration/Deployment (CI/CD) pipeline integration, pull requests, code reviews, unit/integration/e2e testing using Spring- Mockito, Git, Jira, Bitbucket, TeamCity, sonar, and Veracode maintained a steady delivery pace with 20+ story points per sprint velocity. <p>Awards: 'Star of the Team' for exceptional contributions to the Barclays TCW Market Pre-Trade Analysis project.</p> | | | |
| Systems Engineer | <u>TCS</u> | Chennai, TN, INDIA | 06/2018 - 08/2022 |
| <ul style="list-style-type: none">Engineered and deployed parts of business processes for British Telecom's KCIM (Keep Customer Informed Manager) E2E service which generates XML, SMS, and email to clients, using Spring Boot, Free Marker templates, HTML, CSS, drool engine, and Oracle.Implemented new package update data flows in British Telecom by connecting a Spring Boot service to the middleware, parsing XML data into Java objects, applying business rules with Drools, sending JMS messages, and mail, and updating the dashboard via REST API.Worked in Agile projects, participating in Scrum ceremonies, tracking defects in JIRA, and managing code through Git, Jenkins, and Sonar.Automated telecommunication journeys for Hutch UK using Selenium with a Python-customized framework, generating Excel reports with throughput and other metrics, loading them into Grafana for network log monitoring and visualization.Developed Unix/Linux shell scripts with regular expressions to process dynamic data files (.bat, .cdr, SMS). | | | |

- Developed modular functions in an automation project for Infor, Manila using **Selenium Java web driver**, maven POJO model, TestNG based custom framework and Apache POI to read data from Excel and robot classes to perform Key actions,
- Trained in Java, Spring MVC, REST API, Microservices, Hibernate, Selenium, UFT, JMeter, and MSSQL.

Awards:

- Got '**On Spot Award**' for contributions to the British Telecom project flow.
- Received the '**Service & Commitment Award**' for designing a framework, and the part of the team that won the '**Best Team Award**' for exceptional collaboration and performance.

Achievements

- **Cloud Skills Boost Profile** : Earned **22,150 points** on Google Cloud Skills Boost, demonstrating expertise and commitment to cloud technology and continuous learning.
- Certified **Aspiring Architect-L0** (19 July 2024) – Committed to excellence and continuous growth in architectural design and innovation.
- Completed all **Bullseye learning challenges** and successfully finished a full marathon in the **Skill-a-thon**, showcasing problem-solving, perseverance, and teamwork.
- TESTIMONY-2K17**Quality Assurance Champion** Finalist top 15 India TCS, 44th rank in anna university in batch 2018-UG.

Certifications

- **AWS** Certified Developer Associate (Nov 2023)
- **GCP** Build and Deploy a Generative AI Solution Using a RAG Framework L400 (2023)
- **Coursera** Building Scalable Java Microservices with Spring Boot and Spring Cloud (Aug 2022)
- **Associate Innovator**-Got from Innovators Academy (Jul 2020)
- **Pluralsight Certification dashboard** : <https://app.pluralsight.com/profile/bakiyalakshmi-palani> and other skill-related certificates please see [LinkedIn](#) certificates section

Projects

- **AWS**: Standard settlement instructions for payments automation with **AWS lambda, CloudFormation, Bedrock, Textract, SNS, and SQS** for Capgemini Internal Hackathon,
- **GOOGLE**: Carbon 3 emissions analysis using RAG framework **utilizing Big Query, Gemini, and Vector AI search**. The project is submitted in **Google GenAI Hackathon 2024** under the team's name **Appollo18**.
- **Restaurant Web Application**: Built a fully functional restaurant website as part of the Peer-graded in the 'HTML, CSS, and JavaScript for Web Developers' course by Johns Hopkins University, demonstrating proficiency in web development technologies. (Oct 2022)
- **My Portfolio**: Portfolio is designed and developed using **Angular, HTML CSS Grid** and deployed in **Git**.

Education

Bachelor of Technology

PSVPEC-Anna University affiliated

Ponmar, TN, INDIA

08/2014 - 05/2018

Major in Information Technology-CGPA:8.48 -**Anna University Rank - 44th Rank**

Others

- **Google Developer Program – Google for Developers**: Actively participated in sessions on **Women in AI** and the Global Architect Community, demonstrating a commitment to continuous learning and engagement in cutting-edge technology trends
- Hobbies include Pencil Art and learning French on Duolingo and practicing with family and friends