



Gokul Balakrishnan

Solutions Architect

- Colombo, Sri Lanka
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About

Experienced IT Solutions Architect with a decade's worth of hands-on technical experience in a variety of fields and technologies. I hold a merit-awarded master's degree in Computer Science from Germany's #1 university.

Profiles

- github.com/gokul
- [linkedin.com/in/g-balakrishnan](https://www.linkedin.com/in/g-balakrishnan)
- 0000-0001-9039-8048

Languages

- English ●●●●●
- Tamil ●●●●●
- Sinhala ●●●●●
- German ●●●●●

Soft Skills

- Presentation ●●●●●
- Problem Solving ●●●●●
- Content Creation ●●●●●

Professional Experience

Axiata Digital Labs

axiatadigitallabs.com

2023 – **Senior Solutions Architect** Colombo, Sri Lanka
Lead architect for the Axonect API Management Solution.

- Leading the team involved in architecting a cloud-native API Management suite for telco clients worldwide.
- Providing technical direction to live projects with revenue total of over USD 1.5M for telcos across Southeast Asia.
- Planning, architecting, sizing and tuning large-scale distributed API Management components on the cloud.
- Overseeing new deployments as well cloud migrations of existing systems.
- Leading pre-sales efforts by contributing technical input, architecture specifications, sizing and overall technical direction.
- Conducting talks, seminars and workshops to evangelize new products to potential and existing clients from the telco industry.
- Leading cross-functional development teams in achieving organization-wide ISO 27001/27701 certification.

2021 – 2023 **Solutions Architect** Colombo, Sri Lanka
Architect and team lead for the Axonect API Management Solution.

Siemens AG siemens.com

2019 – 2021 **Cloud Application Developer - Working Student** Munich, Germany
Lead engineer (part-time) in the Semantic IoT Schema Project.

- Designed and implemented components and modules representing Semantic IoT schema concepts.
- Evaluated and recommended technologies that best fit the need.
- Played the role of technical advisor for sister projects.

WSO2 wso2.com

2018 – 2019 **Associate Lead - Solutions Architecture** Colombo, Sri Lanka
Pre-sales and Solutions Engineer (Technical Lead level).

- Acted as technical owner for projects from the Asia/Pacific region throughout the sales cycle and beyond.
- Created scalable LO/L1 architectures and implementation plans for clients around the globe.
- Conducted discovery calls of technical requirements with clients to pinpoint opportunities.
- Helped convert opportunities to surpass the annual sales targets by 30% and ensure a positive annual recurring revenue.

2013 – 2018 **Senior Software Engineer** Colombo, Sri Lanka
Core developer of the WSO2 Analytics Platform (Senior level).

- Researched, planned, and developed software components.
- Conducted on-site and off-site training and consultation services to clients in Europe, Asia-Pacific and North America.
- Provided technical support to customers and partners as subject matter expert.

2011 **Intern** Colombo, Sri Lanka

Education

2019 – 2021 **M.Sc. in Computer Science** Technische Universität München | Germany
Post-graduate degree in Engineering Software-intensive Systems. Merit Award.
Thesis: Multistakeholder recommender systems in tourism.

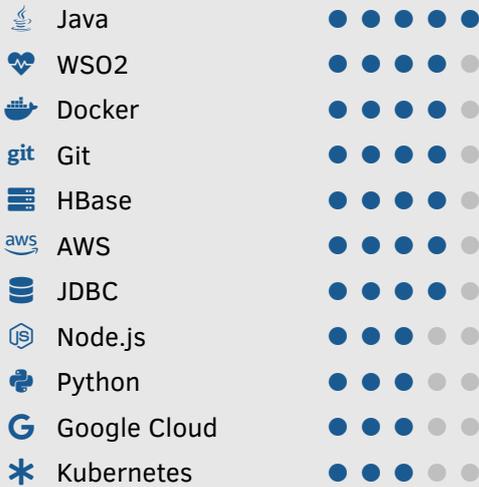
2008 – 2012 **B.Sc. in Engineering** University of Moratuwa | Sri Lanka
First Class Honours in Computer Science and Engineering.
Thesis: Web domain recommendation and pattern analysis.

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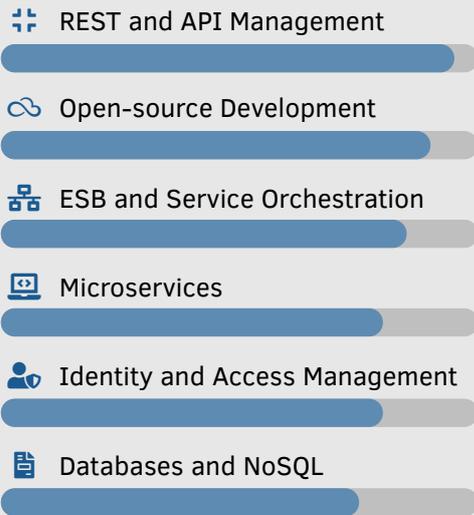
Solutions Architect

Technical Skills

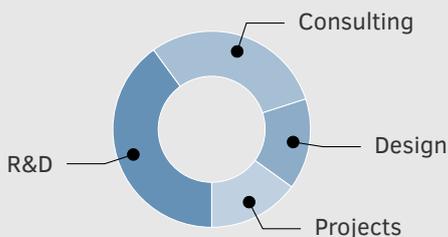
Selected Technologies



Paradigms



Experience



Interests

- Travel
- Music
- Languages

Selected Projects

- 2023 Cloud API Management platform for a Southeast Asian Telco**
Axiata Digital Labs
 - Technical owner for a cloud-native API management platform of B2B and B2C use-cases, with over 50M consumers and 20K TPS.
 - Technologies: Axonect, Google Cloud, Docker, Kubernetes
- 2023 Axonect API Management Suite**
Axiata Digital Labs
 - Solution Architect responsible for sizing and architecting scalable API Management system deployments for clients across the globe.
 - Technologies: Java, Docker, Kubernetes, OpenTelemetry, OIDC
- 2021 Cloud IDE for Semantic IoT Schema**
Siemens AG
 - Designed and developed environments for representing IoT Schema concepts in graphical settings.
 - Technologies: Node-RED, JavaScript, Node.js, Docker, Shell
- 2018 Urban transport platform for a Southeast Asian City**
WSO2
 - Acted as the technical owner and solutions architect to produce architecture specs and deployment strategies.
 - Technologies: WSO2, Amazon AWS, MQTT, Apache Kafka.
- 2017 Siddhi**
WSO2
 - Part of the core development team in the Siddhi open-source cloud-native streaming processor.
 - Technologies: Java, Relational Databases, JDBC, HBase.
- 2016 TfL LondonWorks**
WSO2
 - Developed a roadworks planning and management system for Transport for London (TfL) while following Scrum-based development cycles.
 - Technologies: WSO2, JavaScript, Oracle Spatial, Esri ArcGIS.
- 2015 Boeing Digital Aviation Platform**
WSO2
 - Developed and supported a cloud-based enterprise middleware platform.
 - Technologies: WSO2, Cassandra, Maven, SVN, SQL Server.

Publications

- 2021 Multistakeholder Recommender Systems in Tourism**
Amsterdam, Netherlands
RecTour21 - ACM RecSys Workshop on Recommenders in Tourism (with W. Wörndl)
- 2020 Begleitende Prozesssimulation für das Kellybohrverfahren**
Dresden, Germany
8. Fachtagung Baumaschinentechnik (with A. Fischer et al.)
- 2012 Opinion mining and sentiment analysis on a twitter data stream**
Colombo, Sri Lanka
ICTer12 - International Conference on Advances in ICT for Emerging Regions (with S. Perera et al.)

Certifications and Memberships

- BCS: BCS Level 6 Professional Graduate Diploma in IT
- IELTS: Overall band score: 9.0
- GI: German IT Practitioners' Association Member (ID: GI-70007)
- Microsoft: Microsoft Certified Professional (Certificate ID: B814-9423)