Sandoche BALAKRICHENAN

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@Github | @LinkedIn

EDUCATION

Msc in Innovation & Entrepreneurship
2022 | HEC, France (*Ranked #1 in EMBA 2021*)
A Grade

PhD in IT & Networks
2008 | Université Pierre et Marie Curie, Paris
Très Honorable

Msc in Computer & Communication Networks
2005 | Institut Nationale des Télécommunications , France
A Grade

ACHIEVEMENTS

2022 - LoRa Alliance Leadership Award
2015 - CENTR R&D Award (Zonemaster Project)
2013 - CENTR R&D Award (WINGS Project)
2002 - EGIDE scholarship
2002 - Louis Leprince-Ringuet scholarship

SKILLS

Personal
Good Oral & Written Communication • Capability to lead collaborative activities •

IT
C • C++ • Shell • Python • Micro-Python • Perl • TCL/TK • LaTeX

DOMAIN EXPERTISE
IoT Identity management, DNS, DNSSEC, IPv4, IPv6

Language
English • Fluent
French • Professional working proficiency

INTERESTS

Current Affairs, Teaching, DIY House repair, Gardening

SOCIAL ACTIVITIES

Tamil association Secretary

REFERENCES

Benoît Ampeau | Director of Partner and Innovation | Afnic | France
Dr. Paventhan Arumugam | Director R&D | ERNET | India
Prof. Andrzej Duda | Grenoble INP-Ensimag | France

• *Reference details shall be made available upon request*

EXPERIENCE - 15+ YEARS

AFNIC (.FR REGISTRY) | Head of R&D Partnerships
Sep 2008 - Current | Paris, France
- Designed & developed the strategy of evolving from Internet to IoT registry; Initiating, contributing and managing the journey from Idea to MVP involving in design thinking, PoC development, discussion with prospective clients & interacting with the Marketing department
- Collaboration with multiple national & International partners - French Co-ordinator of Franco-German Government Funded Project - PIVOT; Lead of French Governement funded project - DiNS
- **Technical manager** of Zonemaster, an Open source project by French and Swedish Internet registries to create a World-class DNS Validation tool
- **Academic IoT Roaming initiative using DNS** with 10+ Academics and Industrial partners
- Contribute to Standardisation activities (IETF, GS1, LoRa Alliance)
- Respond to Internal and external requirements - Technology watch, Technology transfer, Technical Reports, Strategy Feedback, PoCs
- Expertise dissemination and promotion - Scientific publications, Blogs, Talks, Technical reports, Tutorials
- **PhD Guide** (2 Doctoral Students)

DIVAS OFFSHORE SOFTWARE TECHNOLOGIES & INDO KOREA CENTER | Embedded Software Engineer
Oct 1999 – Aug 2002 | India & Korea
- Developed a File system driver in Visual C++ for monitoring the data for a streaming application for hand held devices
- Developed embedded software in C using ThreadX RTOS and Green Hills Multi IDE for Guest Room Control Systems

PROFESSIONAL ACTIVITIES

Management training attended
- 2018 - *Project Manager - Innovation* | CEGOS
- 2011 - *Negotiating in an International Context* | HEC

Technical Training attended
- 2020 - European Funding Preparation | ANRT
- 2018 - IPv6 & Measurement training course | RIPE

Teaching & Student Supervision
- Since 2019 - PhD Guide
- Taught courses involving DNS at Master level

Publications & Talks
- Published 15 Peer reviewed articles in International Conferences & Journals of which 11 as primary author
- 6 invited talks
- 9 Proposeds talks
- Multiple blogs

Technical activities outside the Company
- Nominated Position - LoRa Alliance Academic WG Chair
- Elected Position - RIPE IoT WG Co-Chair
- IoT Expert reviewer at Cap-Digital
- 2008 - 2010 : Invited member of the European Commission IoT Expert Committee as CENTR (Council of European TLD Regsitries) representative