Hemchander. S

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PROFESSIONAL EXPERIENCE:

- **Kaar Technologies India Pvt. Ltd.: Associate Consultant - SCP – COE, ROW, Product Innovations** *(Aug'17 - Present)*

  Lead Developer -Full Stack Engineer - SAP Labs India – Worldwide S/4 HANA Innovation Request Repository tool for SAP S/4 HANA Cloud Product management team.

  The tool is built for S4 HANA Public Cloud Management team to streamline product portfolio rounds. It aids in decision making for the management as well as for the concerned stakeholders to decide which key features will be added in the successive revisions of S4H Public Cloud.

  In technical parlance, the tool is built using the latest HANA – XSA & SCP Cloudfoundry Platform leveraging HDI container technology, OData APIs powered by Node.JS, Fiori Elements for UI/UX, FaaS, SAP Vyper framework for testing and integration touchpoints with central IdP tenant, JIRA and CRM database. Since the development involved the usage of cutting-edge package releases, was a part of multiple product consultation and co-innovation teams.

  As a part of the COE, I evaluate the latest technologies in the open-source realm pertaining to machine learning, Enterprise SaaS, Blockchain, AR and establish best-practices on the same.

- **Kaar Technologies India Pvt. Ltd.: Jr. Associate Consultant – COE, ROW** *(Jun'16 - Aug'17)*

  Developer/ Jr. Architect – Custom Mobile Platform-as-a-Service(mPaaS). Carried out as a POC using multiple open-source frameworks (Apache Software Foundation projects & Node) to enable rapid mobile application development with seamless integration to SAP backend.

  Also, apart from solutioning, built multiple POCs related to the following areas:

  ➢ SAP Cloud Platform(SCP) – Cloud foundry (Microservice based development approaches)
  ➢ SAP Native HANA development/POCs
  ➢ Leveraging Open-source frameworks inside SCP.
  ➢ IOT device integration to SCP.

  The following technologies were used in building the POCs and served as the base for building best practice approaches in the later stages.

  Open-Source:

  ➢ Cloudfoundry
  ➢ Apache Solr & Elasticsearch
  ➢ Apache Tika
  ➢ Apache Cordova
  ➢ StrongLoop for Enterprise Node.JS app development
  ➢ XAMPP & MEAN Stack.
  ➢ Bootstrap & SemanticUI framework
  ➢ Android app development
  ➢ dApp development using Ethereum and Solidity
  ➢ Docker

- ➢ Google Cloud Platform – ML API integration
- ➢ WebAR using AFrame and AR.js & WebVR
- ➢ Chrome Extension development

SAP HANA/SCP:

- ➢ Native HANA Development
- ➢ HANA Administration
- ➢ HANA XS Advanced
- ➢ SAP Cloud Platform (Neo & CF)
- ➢ Bespoke microservice development in SCP
- ➢ YaaS microservice integration
- ➢ HANA Cloud Data Integration
- ➢ SAP PowerDesigner
- ➢ SAP Gerrit, Jenkins-Codepipes- CI/CD
- ➢ SAP Vyper – Test Automation framework

PROJECTS AT KAAR TECHNOLOGIES:

- Developed an e-CAPEX Budgeting/Reporting System on SAP Cloud Platform (Frontend & custom ETL tool based on XSJS APIs, HANA Flow Graph) for a leading Bank in Malaysia.

- Coordinated the development of an IoT based Connected Healthcare system – Wireless CGM integrated with an iOS App – as a part of SAP Co-Innovation R&D.

- Built a serverless chat-bot architecture using AWS Lambda for K-Learn (Student-Teacher-School Management App).

- Carried out R&D and developments on Proposal Builder bot - A bot with SCP & API.AI integration, which leverages HANA's machine learning capabilities & API.AI's NLP features.

ACADEMICS:

- **B. Tech, Information Technology** at SRM Valliammai Engineering college, Anna University with a CGPA of **7.9/10**

- Completed **HSC** at Sai Matriculation Hr. Sec. School with **93%**

- Completed **SSLC** at Sai Matriculation Hr. Sec. School with **91.4%**

COLLEGE PROJECTS:

- "**Smart Control and Guidance System based on Indoor Positioning and Hands-Free Input**"- The project offers an economical solution & a general architecture which could be followed to enable household device control through voice recognition or eye blinks.

  The Conceptualization and Implementation took a span of 6 months including the development of a modular IOT driven architecture, Arduino powered eye glass hardware, a simplified yet accurate indoor positioning system(IPS),integration with mobile application and the web application for indoor mapping to achieve the vision of the project.

- **"Getsetstudy"** - An online educational website which contains a curated index of study materials and resources for Anna University students. Currently it is a community driven project by students from various universities

and affiliated colleges.

- Developed "**Digi-Surveyor**", a Web application for surveying rural people & to analyze the demographics during NSS Camp.

- Programmed a simple Steganography application "**Byte Hide**" in C++ that can be used to hide files of all formats(binary) into Image files. It can also be used to turn images into key-value databases for secure & organized information storage.

SCHOLASTIC & FREELANCING ACHEIVEMENTS:

- **Runner Up** in WayRay TrueAR – HUD Augmented Reality international hackathon

- Won a open contest in designing a home page & developing an android app for a security startup - **Appvigil**.

- Competed in open UI/UX remodeling competition for Online Gold Bullion Traders and secured the place of **Best Winning Proposal**.

- **Best Project Award** in SRM Project Expo 2K16 for the project titled – 'Smart Control and Guidance System based on Indoor Positioning and Hands-Free Input'

- **Achiever Award** in College for winning several online web development and design competitions.

EXTRA-CURRICULAR ACTIVITIES:

- An Active Member of Computer Society of India

- National Service Scheme volunteer

- Tech-Blogger

- Graphic Designer

PERSONAL DETAILS:

Father's Name	:	Mr. T A Sundaraveloo
Date of Birth	**:**	23/11/1994
Languages Known	:	Tamil, English
Nationality	:	Indian
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