Kurian K S

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EDUCATION

Master's in computer science   *January 2019 – December 2020*
  ▪ **University of Southern California, Los Angeles, USA**   **CGPA: 4.0**
Bachelor of Technology in Computer Science and Engineering   *July 2010 –June 2014*
  ▪ **National Institute of Technology, Calicut, India**   **CGPA: 8.19/10**

PROFESSIONAL EXPERIENCE

I3– *Data marketplace* by Center for Cyber-Physical System and Internet of Things, USC

Graduate Student Researcher, University of Southern California   May *2019 - Present*

  ➢ *Lead Developer and maintainer for I3 Core and I3 SDK Code both open source project on GitHub. Supported development with associate companies such LA City, Google Maps, Insight, Verizon, Microsoft, Amazon AWS;* ***Docker, Shell Script, Python, MQTT, AWS.***

CREDIT VIDYA - *Credit Underwriting, featured in top 10 Indian Fintech Startups*

Senior Software Developer,   *March 2018 - November 2018*

  ➢ *Developed an alternative credit score for a user, by sourcing data from personal devices. Gathered data is feed to a tensor model to create a real time credit score. Led efforts on Rule Engine.* ***Java, Vertx, Mongo DB****,HBase*

ORACLE INDIA, – *Oracle Fusion Cloud ERP Product*

Senior Application Engineer,   *June 2014 - March 2018*

  ➢ *Worked as a full stack developer on ADF platform based on J2EE and front-end JavaScript. Expertise in field of WebLogic Server, Oracle JET, Business Intelligence and Scheduler and led support across 10+ divisions.*

  Selected Accomplishments:
  ❖ Lead a developer team of 5, in AGILE methodology for Higher Education Suite for 2018 releases. Responsibilities of requirement, resource allotment, deadlines and interaction with Product Managers, Testing and UI/UX Team.
  ❖ Lead developer for single page application from Design to Deployment which was integrated to a continuous build cycle. This was the first attempt of Oracle Fusion to shift to client-side computing: OJet; **Javascript, J2EE**.
  Tools Built:
  ❖ **Dev PaaS:** Single window application facilitated developer environment for efficiency improvement
  ❖ **SaaS Harvestor**: Innovated dashboard to monitor logs on PODs; *Logstash, Elastic Search and Kibana*

TECHNICAL SKILLS

  ❖ Programming Languages: Java, JavaScript, Python, Spark, Shell Scripting
  ❖ Technology: Docker, ADF, HBase, Mongo DB, MySQL, BI, Hadoop, WebLogic Server, GIT
  ❖ Courses: Algorithms, Data Mining, Machine Learning

PUBLICATION

  ➢ Kurian Karyakulam Sajan, et al (2019); *Enhancing Support for Machine Learning and Edge Computing on an IoT Data Marketplace.* at **ACM AIChallengeIoT-2019, NY.** https://dl.acm.org/citation.cfm?id=3363364
  ➢ **Blog**: Into to IoT, IOTA, and I3. https://iota-news.com/intro-to-iot-i3-iota/

RECENT ACHIEVEMENTS

  ➢ Presenter and Technical Support at **I3 Consortium**, **2019 -** https://i3.usc.edu/
  ➢ Winner of **USC IYA Hackathon, 2019** – supported Startup FarmHaus in data pipelining
  ➢ Finalist in **USC Blockathon, 2019** - https://uscblockathon.devpost.com
  ➢ Winner at **Oracle Fusion Hackathon March** *(Redwood City),* 2016 held at Oracle HQ
  ➢ **One in a Million** *(Oracle Intrapreneur):* Idea Presentation for an innovative new product

PROJECTS

  ❖ **Host based Intrusion Detection System** –*Under Prof Dr.Vinod Pathari.* Designed with concepts of Directed Acyclic Graphs to represent processes. Supervised learning along with probabilistic algorithm to identify intrusions. ***C++***
  ❖ **Sentiment Analysis of Oracle Product Higher Education**– across Fb, Twitter and LinkedIn; ***Java***