

Vaikunth Sridharan

<https://vaikzs.github.io>

vaikunth@knoesis.org

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Experienced Full-stack Developer
interested in Software Eng. & Web Development

EDUCATION

Masters in Computer Science

Big and Smart Data Certified, April 2018

Wright State University, Ohio, USA

Aug 2014 - April 2018

Bachelors in Information Tech.

Anna University, Chennai, India

Aug 2010 - May 2014

SKILLS & TOOLS

Programming

JavaScript • Java (incl. Android)

Client side

HTML + CSS • JavaScript • React

Server side

Node.js • Python

Frameworks - Express and Socket.io

Databases

Elastic Search • SQL • Mongo

Test Frameworks

Mocha • Chai • Lab

Other Tools & Technologies

Git • PM2 • Rest APIs

NPM • Azure • Travis CI • VSTS (CI/CD)

ML Tools & Technologies

Weka • Simple-Statistics

OTHER

Teaching Asst. | Web Info. Systems, Jan 2016

Coursework | Tweet filtering using Active Learning, Aug 2014

LINKS

<http://github.com/vaikzs>

<http://linkedin.com/in/vaikunth-sridharan>

<https://scholar.google.com?user=vaikunth>

REFERENCES

Available upon request

EXPERIENCE

Software Developer, Cloud Services, Innovations Center

Northwell Health, Greater New York City, NY | July 2018 – Present

Designed a service to automate resource creation and deployment in Azure using Arm Templates & Node.js for Northwell Outbound Team

Developed server-less functions with app insights to transform and relay incoming EventHub messages to outgoing messages using Node.js, Mocha-Chai (Build & Deploy using VSTS). Monitored messages using Stream Analytics by forwarding to CosmosDB

Maintained azure cloud resources, conflicts, vulnerabilities and ensuring stable work-flow delivery

Full Stack Developer and Researcher, Digital Health

Kno.e.sis Center, Wright State, Dayton, OH | Jan 2015 – Apr 2018

Thesis: Sensor Data Streams Correlation Platform for Asthma Management

Engineered a real-time scalable system which aids clinicians to identify correlation between triggers (multi-modal factors - environment, activity, etc) and asthma symptoms. Further info., visit [thesis slides](#) & [demo link](#)

Knowledge-enabled Health (kHealth)

Developed an Android App connecting with wearables, logging and summarizing patient recorded readings (Caching, Multi-threading, UI Design, & APIs). Further info., visit [project link](#)

Twitris Plugin API

Designed a JavaScript Plugin API for Twitris enabling developers to exploit NLP algorithms created by Twitris e.g., sentiment, emotion, People-Content-Network analysis, etc., on tweets

Full Stack Developer Intern

Northwell Health, Greater New York City, NY | Jun 2016 – Dec 2016

Integrated IoT based applications into Health Information Exchange (HIE) for risk assessment

Explored and developed Alexa Skill which maps with an Server-less Func.(Node.js), which retrieves patient reports from Northwell cloud on doctor's query

Built an Interactive Clinical Decision Support tool using Node, Express, Bootstrap, HTML, & CSS querying the Rules-engine for decision making

Front-end Developer Intern, Customer Application Services

Servion⁺ Global Solutions, Chennai, India | Jun 2013 - Feb 2014

Charted a Flash Policy Java Service to maintain Web Socket compatibility for Internet Explorer 8 & 9

Designed a softphone by developing a Chrome Extension with HTML, CSS and jQuery (incl. UI). Extension enables the soft phone application (iframe) for Avaya and Sales-Force clients