

Vaikunth Sridharan

<https://vaikzs.github.io>

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Competent Full Stack Developer ardent in Software Engineering and Web/Mobile Development

EDUCATION

Masters in Computer Science

Big and Smart Data Certified, April 2018

Wright State University, Ohio

Aug 2014 - Apr 2018

Bachelors in Information Tech.

Anna University, India

Aug 2010 - May 2014

SKILLS & TOOLS

Programming

JavaScript • Java (incl. Android)

Front-end

HTML + CSS • JavaScript • React (incl. Native)

Back-end

Node.js • Python

Frameworks - Express and Socket.io

Databases

Elasticsearch • SQL • Mongo

Test Frameworks

Mocha • Chai • Lab • JUnit

Other Tools & Technologies

Git • PM2 • Rest APIs

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

ML Tools & Technologies

Weka • Simple-Statistics

LINKS

<https://github.com/vaikzs>

<https://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 | Jul 2018 – Present

Clinithink Service – Implemented a service to automate resource creation and deployment using Azure Resource Manager Templates & Node.js for Northwell Outbound Team

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

Cloud Management – Maintained azure cloud resources, conflicts, vulnerabilities and ensured stable work-flow delivery by monitoring logs, seeding test messages, access policies, etc.

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 correlations between triggers (multi-modal factors - environment, activity, etc) and asthma symptoms. For more info., please visit [thesis slides](#) & [demo link](#)

Knowledge-enabled Health (kHealth) – Collaborated and developed a questionnaire and food logging Android App (Caching, Multi-threading, UI/UX Design, & Web APIs) which uses Google's Material Design for Bariatric and Asthma patients. For more info., please visit [project link](#)

Twitris Plugin API – Devised a JavaScript Plugin API for [Twitris](#), enabling developers to exploit NLP algorithms created by [Twitris](#) on tweets such as sentiment, emotion, People-Content-Network analysis, etc.

Full Stack Developer Intern, Innovations Center

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

IoT-Health System – Integrated IoT-based apps into Health Information Exchange (HIE) for risk assessment

Alexa-AWS – Explored and developed an Alexa Skill that maps with a Server-less function (Node.js), which retrieves patient reports from Northwell cloud on physician's query

UI-CDS – Built an Interactive Clinical Decision Support tool using Node.js, Express, Bootstrap, HTML and CSS, which queries the Rules-engine for decision making

Front-end Developer Intern, Customer Application Services

Servion[®] Global Solutions, India | Jun 2013 - Feb 2014

Chrome-Extension – Designed a softphone Chrome Extension for Salesforce using HTML, CSS, jQuery (incl. UI), Chrome Dev Tools and CORS Policy

Plugin – Charted a Flash policy service to maintain WebSocket compatibility for Internet Explorer 8 & 9 using Java