**Vaikunth Sridharan**

#### [https://vaikzs.github.io](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](https://catalog.wright.edu/preview_program.php?poid=4205&catoid=6)

#### Wright State University, Ohio

#### Aug 2014 - Apr 2018

### Bachelors in Information Tech.

#### Anna University, India

#### Aug 2010 - May 2014

## SKILLS & TOOLS

Programming

JavaScript (JS) • Java (incl. Android)

Front-end

HTML + CSS • JS • 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://github.com/vaikzs) [https://linkedin.com/in/**vaikunth-sridharan**](https://linkedin.com/in/vaikunth-sridharan) [https://scholar.google.com?user=**vaikunth**](https://scholar.google.com/citations?hl=en&user=RZfT-8gAAAAJ)

## REFERENCES

Available upon request

## EXPERIENCE

### Software Developer, Cloud Services, Innovations Center

[Northwell Health, Greater New York City, NY](http://northwell.edu/) | Jul 2018 – Present

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

**Azure Function App** – Developed server-less functions with app insights to transform and relay incoming [EventHub](https://azure.microsoft.com/en-us/services/event-hubs/) messages to outgoing messages using Node.js and Mocha-Chai (Build & Deploy in VSTS). Monitored messages using Stream Analytics and Cosmos DB

**Cloud Management** – Maintained azure cloud resources, conflicts, vulnerabilities and ensured stable work-flow delivery by monitoring logs, seeding test messages, verifying firewall settings and fixing bugs

### Full Stack Developer and Researcher, Digital Health

[Kno.e.sis Center, Wright State, Dayton, OH](http://knoesis.org/) | 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](https://www.slideshare.net/knoesis/sensor-data-streams-correlation-platform-for-asthma-management-93879164) [slides](https://www.slideshare.net/knoesis/sensor-data-streams-correlation-platform-for-asthma-management-93879164) & [demo](https://khealth.knoesis.org:8083/index) [link](https://khealth.knoesis.org:8083/index)

**Knowledge-enabled Health (kHealth)** – 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](https://knoesis.github.io/KHealth-Bariatrics/) [link](https://knoesis.github.io/KHealth-Bariatrics/)

**Twitris Plugin API** – Devised a JS Plugin API for [Twitris](https://twitris.knoesis.org/), enabling developers to exploit NLP algorithms created by [Twitris](http://twitris.knoesis.org/) on tweets such as sentiment, emotion, People-Content-Network analysis, etc.

### Full Stack Developer Intern, Innovations Center

[Northwell Health, Greater New York City, NY](https://www.northwell.edu/) | Jun 2016 – Dec 2016

**IoT-Health System** – Integrated IoT-based apps and Health Information Exchange 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

[Serviont](http://servion.com/)[Global Solutions,](http://servion.com/) 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 and 9 using Java