

# Vaikunth Sridharan

<https://vaikzs.github.io>

vaikunth@knoesis.org

+1 (937) 430-6079

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 (JS) • Java (incl. Android)

### Front-end

HTML + CSS • JS • React.js (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

Gradle • Git • RESTful / JSON Services

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 and Node.js for Northwell Outbound Team

**Azure Function App** – 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 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 | Jan 2015 – Apr 2018

**Thesis: Sensor Data Streams Correlation Platform for Asthma Management** – Engineered a real-time scalable system with visualization 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)** – 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 JS Plugin API for [Twitris](#), enabling developers to exploit NLP algorithms created by [Twitris](#) on tweets such as sentiment, emotion, People-Content-Network analysis, etc.

### Data Architect Intern, Innovations Center

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

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

**Alexa-AWS** – Designed 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 and 9 using Java