Shruti Appiah

✉ Email : sappiah@uwaterloo.ca
🌐 Website : shrutiappiah.github.io
🐙 Github : github.com/shrutiappiah

SKILLS

Programming:
C++, Java, C, Python, R, Javascript, MATLAB

Web:
HTML5/CSS3, D3, JSF, AngularJS, Bootstrap, jQuery, SQL, Node.js

Architecture:
ESB, ETL, IBM Websphere, SQL Server Integration

Emerging Technologies:
Node-RED (IoT), IBM MQLight, IBM Watson (AI).

Miscellaneous:
IBM Bluemix (Cloud), Git, Microsoft BI, JIRA, Stash, Google Analytics & SEO.

EDUCATION

University of Waterloo
2B Systems Design Engineering, May 2018
Courses
Data Structures & Algorithms, Digital Systems, Statistics, Management, Ergonomics, Business, Product Design

ACTIVITIES

Winner
Hack the North, Canada's largest hackathon

Open Source Contributor
IBM DeveloperWorks

Presenter & Contributor
IBM User Group Conference, New York

Winner
Young Entrepreneur's Competition

WORK EXPERIENCE

Software Architect — Crum & Forster (Fairfax)
Greater NYC Area, USA | Summer 2015

- Performed data integration by creating data flows for business intelligence.
- Integrated and managed pub/sub flows across distributed systems and applications.
- Reconstructed the architecture of a Java web application.
- Completely redesigned and developed a JSF-based UI of a Web Console.

Software Engineer — Evertz Microsystems
Ontario, Canada | Fall 2014

- Built and automated the workflow processes for On-Demand streaming media.
- Used web services to interact with different servers and platforms. Used Linux/UNIX.
- Spring configured UI elements and SQL reports in client-side applications and CMS.
- Presented final product to clients with an interactive demo.

Front-end Developer — Infosys
Bangalore, India | Winter 2014

- Built a data visualization dashboard for a Service Automation Platform.
- Creatively implemented an interactive UI and spatially optimized user-customizable charts to present extensive complex datasets.
- Used KPIs and presented project in bi-monthly presentations.

Product & Strategy — KnowUs
Greater NYC Area, USA | Summer 2015

- Developed product implementation strategy, created workflows to integrate the various features with the technology stack.
- Designed and developed the front-end and product interface. Managed web content.
- Digitally marketed the app and brought in several visitors to our website.

PROJECTS

KnowUs
Product
knowus.io

- A personal assistant that analyses conversations to identify underlying tones, and gains personality insights. HR and Fintech.
- Tech: IBM Watson | D3 | Python | Natural Language Processing

(H)openSource
hopensource.co

- A platform that connects non-profits with developers who want to contribute to open-source non-profit technology projects.

Integrate
Systems Designer
IBM DevWorks

- A light-weight and adaptable system-architecture workflow for integrating applications, managing data transformations.
- Presenting project at IBM MQ User Group Conference, NY/NJ.

Solar Funder
Developer

- Crowd-funding platform for renewable energy projects at universities. Collaborating with Yale University's Project Bright.

PolicyGen
Systems Analyst

- Implemented product logic with Java, gathered business requirements and rules (Drools), and integrated a rating engine.

Health Monitor
Hardware Design

- An Arduino device that manages patients' health in hospitals.
- Arduino | Sensors | Multisim Circuit Design | Audio Components