SAUD NAUMANI

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LANGUAGES

- **Java**
- **C/C++**
- **Python**
- **JavaScript/jQuery**
- **Node.js**
- **HTML/CSS**

TECHNOLOGIES

- **SQL**
- **AWS**
- **Git/SVN**
- **Jenkins**
- **Postman**
- **UNIX/Linux**
- **GDB Debugger**
- **Android Studio**
- **Google Cloud**
- **Amazon Alexa**
- **Heroku**
- **MongoDB**
- **Mongoose**

EDUCATION

University of Waterloo

B.A.Sc Computer Engineering

Relevant Coursework

- **DS & Algorithms**
- **Computer Architecture**
- **Digital Systems**

EXPERIENCE

BLACKBERRY | Software Engineering Intern - Core OS

Java • C • Bash • Yocto • Go   Sept 2018 - Dec 2018

- Designed, owned, and developed a Linux distribution utilizing **Yocto** as a basis for IoT devices, with a focus on **platform security**
- Developed an API in **Java** which acted as a security checkpoint, serving to heuristically validate IoT devices signatures
- Refactored the code base for **modularity**, allowing for easy integration with device manufacturers and enterprise licensees

METHOD:CRM | Software Engineering Intern - Automation

JavaScript • SQL • Postman • Node.js   Jan 2018 - Apr 2018

- **Reduced the runtime** of Method's automated test suite from 4 hours to 1.5 hours, through a complete overhaul and restructuring of the test automation platform and suite
- Designed and constructed automated tests for the backend infrastructure of Method's web API, written in **Node.js**
- Developed continuous integration pipeline to automatically parse and validate **XML/JSON** API responses

PROJECTS

FLUENT-AI   🔗 devpost.com/software/fluent-ai

Express.js • Heroku • JavaScript • Google Cloud API

- Created a Conversational AI, which aids users in learning a new language
- Leveraged the power of the **Google Cloud API** for natural language processing, allowing for text-to-speech and speech-to-text functionality

WEATHER ALERT APP

Python • OpenWeatherMap API • Twilio API

- Created a functional interactive weather alert app that texts the user weather information from any location in the world
- Parsed and extracted a sizeable string of **JSON** data
- Integrated an interactive static chatbot, utilizing the **Twilio API**

SERVER-LESS CHAT APP

jQuery • Node.js • AWS

- Integrated **AWS Lambda, API Gateway, S3, and DynamoDB** in order to build a server-less chatting application
- Architected an API which allows for reading/writing data through AWS using client's browser
- Integrated DynamoDB to store registered users, and chat messages

INTERESTS

- Travel
- League of Legends
- Toastmasters
- Hackathons