

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
- Visual Studio
- Xcode

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

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

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