Oshi Kavadia

Software Engineer

Oshi Kavadia

12 Wolfetone terrace,
Athlone, Co. Westmeath, N37 AE18

+353 086 867 8099
kavadia.o.k@gmail.com
https://ie.linkedin.com/in/oshikavadia
https://oshikavadia.com/

About

Software Engineer currently working in Ericsson Athlone, with experience in developing small and enterprise applications as well as working with microcontrollers and IoT.

Skills

Languages: Java, Python, GO, C#, C/C++, JavaScript,

Technologies: Docker, Kubernetes, Spring boot, Arduino, STM32, Android, Unity, MySQL/Postgres, Prometheus, Grafana, AWS, Azure, Kafka

Experience

Ericsson / Engineer

August 2018 - PRESENT, Athlone, Co. Louth

EDSP Portal:

- Designed and developed a User Management microservice in Java for managing the users in EDP for as a Service Platform.

ENM on Public Cloud:

- Played a major role in setting up the CI/CD framework with the use of Jenkins and Kubernetes for a Network Manager application that provided faster feedback to development teams.
- Automated deployment of a cloud-native network manager application to public cloud by a custom utility built in Python, reducing the manual efforts involved in orchestrating and provisioning resources.

ENMaaS:

- Created a custom prometheus exporter that efficiently captures metrics from 170+ VMs every minute running from a bastion host. With an expandable framework and configurations, that enables collection of additional metrics with minimal effort.
- Worked closely with Technical experts and customer teams to understand the issues faced by the operations team in managing 15+ Live customer environments offered in aaS model. Designed and solved the problems in the application and the infrastructure, improving the resilience and improving the recovery time post outages.
- Played a major role in implementing a monitoring solution with the use of leading open source technologies that eased the lives of Operations team managing the customer environments offered in aaS model. The complete solution was deployed to production in less than 3 weeks and there are consistent users of

the tool on an everyday basis. Received appreciation from the management for the same.

Climote / Software Engineer

January 2017 - January 2018, Dundalk, Co. Louth

Started out as a student intern, and continued working part time during 4th year of college.

- Reimplemented a server to remotely update the firmware of IoT devices deployed in the field. It significantly improved reliability and sped up the process to update the firmware.
- Implemented an experimental 2 way communication server to talk to devices in the field over GPRS as a part of a test to upgrade the devices to use GPRS instead of SMS.
- Made windows applications using winforms and C# as a way to test and tweak software parameters and simulate them without having to flash them to an actual device. Applications included the likes of visualisation dashboards, automating finding and fixing faults in logged data.
- Various automation tools and scripts to simplify data collections and parsing.

Bougainvillaea art gallery / Web Developer

May 2016 - September 2016, Udaipur, India

Created a responsive customer facing site, as well as an admin panel using PHP and bootstrap.

Education

Dundalk Institute of technology / Bsc (honours) in Computing

September 2014 - May 2018, Dundalk, Co. Louth

Graduated from DkIT in 2018 with a First Class Honours (1:1) Bachelor's degree in Computing and a president's award for academic excellence.

Finished with a 74.8% GPA.

Final Project: AR app for Hololens working with ABB Dundalk

Working with ABB we created an Augmented Reality app for the Microsoft Hololens to be used by field engineers while carrying out their routine maintenance work. It allows users to adhere to Health and Safety rules and look up manuals or machine information.

Technologies used: C#, Python Flask, Unity

Awards

- President's award for academic excellence, Dundalk IT, 2018
- 1.1 Bsc Honours degree
- Gold volunteer award, DkIT Volunteering society