KUNDAN KUMAR

Software Developer

Patna
+91 8884211129
@ mekundankk@gmail.com

in Kundan-K-Singh
Kundan-K-Singh

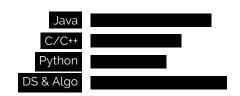## ABOUT ME

● An Electrical Engineering graduate from IIT Delhi, having a total work experience of 3.5+ years as software developer in the field of IoT, Healthcare and Back-End at BOSCH and Amazon. ● Have basic understanding of engineering principles, viz. project management, importance of quality and safety, engineering ethics and values. ● I can easily adapt to new technologies and hence open to adopt new career path.

Java
C/C++
Python
DS & Algo

EXPERIENCE

2017 – 2018
Full Time

Back-End Developer — *Amazon India Pvt. Ltd.*

●Maintained, improved, scaled/descaled Gateway Service and Search and Discovery Service for Amazon Appstore. ● Decoupled the Gateway Service from various dependencies so that it can be deprecated to a library to be used by downstream services which would eventually lead to an estimated annual savings of 4m USD in host machines.

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Java / Git / Linux
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2014 – 2017
Full Time

IoT Developer — *Robert Bosch Engineering & Business Solutions Pvt. Ltd.*

● Designed and implemented a method for OTA diff upgrade for a low storage capacity devices. ● Implemented an emergency alert system in automobiles that was triggered by user or an event. ● Designed an application to form a economic Xbee network for automated agricultural field monitoring and maintenance. Also created a library for the Xbee protocol and exposed APIs for easy interfacing with controllers.

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C / Java / Hardware Interfacing / Python
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2015 – 2016
Full Time

Healthcare Devices Development — *Robert Bosch Engineering & Business Solutions Pvt. Ltd.*

● Did complete design of hardware and development of software for POC handheld Blood Potassium monitoring device that could tell the blood potassium level much like a blood glucose meter for diabetics.

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C / Electronics / Electrochemistry / Product Development
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2017 – 2018

Miscellaneous — *Robert Bosch Engineering & Business Solutiosn Pvt. Ltd.*

● Designed and developed a library with wrapper layer that abstracted the driver layer and exposed APIs to easily configure the dot matrix LCD display that displayed mobile like menu screen and screens to take alpha-numeric inputs on a device that only had navigation keys. ● Designed an application using Python that read data from Flash storage of controller and transferred it to PC via COM-Port.

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C / Python
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EDUCATION

2010 – 2014

Bachelor's Degree in Electrical Engineering — *Indian Institute of Technology Delhi*

● Got a category rank of 174 in IIT-JEE 2010 where close to 5 lac students appeared in examination.● Passed out with CGPA of 6.9 overall with knowledge in wide spectrum that included that in Computer Science, Mathematics, Psychology and Safety in Engineering.

Up till 2010

Secondary and Higher Secondary — *St. Joseph's Public School, Dalsinghsarai*

● Consistently obtained first rank in the class all through middle and high school. ● Got AIR 162 in National Science Talent Search Examination and got selected for final interview in NTSE conducted by GoI.● Got 95% and 85% in 10th and 12th board examination respectively.

STRENGTHS

● Problem Solving

● Analytic Approach

● Knowledge Outside of Core Domain

● Affinity to New Skills/Technologies

HOBBIES

● Cooking

● Cycling

● Jogging

● Teaching

OTHER PROFICIENCY

● Science and Tech.

● Mathematics

● Biology

● Electrical and Electronics Engg.