

# KUNDAN KUMAR

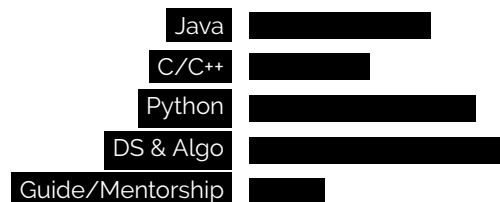
Software Developer

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in Kundan-K-Singh  
🔄 Kundan-K-Singh

## ABOUT ME

• An Electronics and Communication graduate from IIT Delhi, having a total work experience of 5+ years as software developer in the field of IoT, Healthcare and Back-End at BOSCH, Amazon and Nykaa. • Prepared for UPSC during 2018-2020 and appeared in the interview in 1st attempt itself, but could not clear it. • My UPSC curriculum contained vital engineering principles, viz. project management, importance of quality and safety, engineering ethics and values, hence I do have a good understanding of them. • Can easily adapt to new technologies and hence open to adopt new career path or technologies.



## EXPERIENCE

2022 – Current  
Full Time/(0.5 Years)

### Back-End Developer

**Nykaa**

• Worked on the critical service that renders widgets on all Nykaa pages, thereby getting exposure to problems of scale and volume. • Improved the reliability and added quick issue detection for the flow that does revenue attribution on the shown ads. • Implemented application side caching to reduce the response time and reduce the cost of Redis. • Having ownership of UPs Service that holds personalisation data for all Nykaa users.

Flask / NoSQL / Big Data / AWS / Scale

2021 – 2022  
Full Time/(1.8 Years)

### Back-End Developer

**PT. Pasarpolis Indonesia**

• Handling the core services of app that enables agents to compare and book insurance policies for their customers, for vehicle, property, gadgets, health etc online. • Having ownership of commission-service, which is responsible for deciding the agent-commission amount and disbursing commission for the policies booked. • Designed and developed the tax module for the app, invoice and receipt generation module, policy-endorsement and other components that are handle critical financial transactions. • Providing guidance and mentorship to the junior members of the team.

Python / Django / MySQL / Git / Microservices / GCP / REST API

2017 – 2018  
Full Time/(0.5 Years)

### Back-End Developer

**Amazon India Pvt. Ltd.**

• Maintained, improved, scaled/de-scaled Gateway Service and Search and Discovery Service for Amazon Appstore. • Decoupled the Gateway Service from various dependencies so that it can be refactored from a service to a library, which could be used by downstream services, and eventually lead to an estimated annual savings of 4m USD in host machines because of uniform load distribution.

Java / Git / Linux / AWS / Spring

2014 – 2017  
Full Time/(3 Years)

### 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.

C / Java / Hardware Interfacing / Python / Embedded Systems

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.

C / Electronics / Electrochemistry / Embedded Systems / Product Development

2017 – 2018

### Miscellaneous

**Robert Bosch Engineering & Business Solutions 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.

C / Python / Embedded Systems

## EDUCATION

2010 – 2014

### Bachelor's Degree in Electronics and Communication

**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.