

## Company Recruitment Team

August 5, 2019

GOOGLE INC.

1600 AMPHITHEATRE PARKWAY

MOUNTAIN VIEW, CA 94043

## Job Application for Software Engineer

Dear Mr./Ms./Dr. LastName,

I wish to present my candidature for the position of Embedded Systems Engineer -Automotive Systems at Intel, as the requirements for the position considerably matches with my profile.

I am currently working as a full time research scholar at Lehrstuhl für Integrierte Systeme (LIS) in Technische Universität München (TUM) from past 4 months, I had completed my graduation in Communication Engineering at TUM with 1.6 grade. During my studies and jobs, I had acquired in-depth knowledge of digital design and verification languages such as VHDL, Verilog and SystemC and scripting languages such as shell, TCL and perl. I had worked on wide range of EDA tools from Mentor Graphics (Modelsim), Xilinx (Vivado, ISE, Impact, ChipScope) and Synopsys (Synplify, ChipIt Pro).

My experience includes developing a lab module for hardware software co-design lab at Lehrstuhl für Integrierte Systeme TUM. In this lab module, I had developed a video processing accelerator on Zynq-7000 FPGA along with its Linux driver. I had also authored the lab manual and tutored the designed lab in following semester. My experience also includes developing a cache coherency controller IP core for multi-tile Invisic architecture. The functionality of designed IP core was verified and prototyped on ChipIt a multi-FPGA prototyping platform of Xilinx Virtex 5 FPGA.

Apart from SoC design, I am having experience of firmware development in Assembler, C and C++ with wide range of microcontroller like ATmega128, ATmega8, RX62T, ARM cortex A8, ARM cortex A9 and ARM cortex M0+. I had also worked on wide range of wired and wireless communication protocols like I2C, SPI, RS232, IEEE 802.11 (WIFI), IEEE 802.15.1 (Bluetooth) etc. While developing embedded applications, I had worked on multiple vendor specific tools like Arduino, Atmel Studio, Eclipse, Netbean, Keil, e2 studio etc.

I am a self-starter who can work with little or no supervision but I also possess excellent interpersonal skills with the ability to work as part of a group effectively. I would be very excited and highly grateful if I am given the opportunity to work at Intel. I am certain that I can make positive contributions to your ongoing projects and become a valuable member of your team if chosen for this job. I had attached my CV, which contains the details of my theoretical and practical training.

Eagerly waiting for your reply.

Sincerely,

**Ankit Kalbande**

*Attached: Curriculum Vitae*