Dear Job Aspirant,

We wish to connect with you for below position of Trainee Software Engineer

- Designation: Trainee Software Engineer
- Qualification: B.E/B. Tech - Electronics/E&TC/Instrumentation with throughout first class
  M.Sc. – Electronics with throughout first class
  Embedded Systems course (CDAC/I2IT) is preferred.
- Location: Pune
- Experience: Fresher

Company Profile :

Unidel is founded in 1973 and is focused on sectors being reshaped by automation. The vision is to be a Digital Transformation group across Buildings, Factories, Wealth and Skilling.
Get to know more at www.unidel-group.com

Softdel (A UNIDEL company) is a specialized technology company that partners with global industry players to engineer smart and connected products to power the "Internet of Things (IoT)". Softdel's dedicated team of 150+ professionals provide software products, engineering services, and product design consulting across various service lines including Digital Factories, Digital Buildings & Lighting, Digital Wealth and Digital Skilling.

We are on the journey of becoming Transformation Partners to Global Enterprises by leveraging the power of next-gen Digital Solutions and aiming to be a $23 Million company by 2023-24.

Learn more at **www.softdel.com/careers/**

JOB Description:

We are looking for freshers/trainees for development of software for embedded systems.
Your primary responsibility will be to acquire skills of software development that include application logic, peripheral drivers using appropriate RTOS/bare metal toolchain for a specific target microcontroller/microprocessor and also learn to develop test suites for validation of the developed software.
You will also coordinate with the rest of the team working on different tasks of the project/programme.

Role and Responsibilities:

- Learn, develop and test project specific/generic embedded software and testing tools
- Learn and adhere to the best practices and coding standards of the project.
- Understand and Comply with all applicable development processes.
- Contribute to all aspects of software development, including development environment, architecture, design, programming, testing and deployment.

Essential Technical Skills

- Ability to read and understand data sheets and specifications of electronic components.
- Knowledge of embedded systems design, low-level hardware interactions.
- Use of Flow charts for sequential logic
- Knowledge of microcontroller architectures (RISC/CISC), memory model and programming e.g. 8051/PIC/AVR/ARM series
- Knowledge of primitive data types in C language
- Should have completed hands on practical writing programs in embedded C to demonstrate use of ports and peripherals viz. I2C, SPI, UART, ADC, PWM, Timer, RTC etc,
- Knowledge of interfaces TTL, CMOS, RS232, RS485

Desired Technical Skills:

- RTOS/Scheduling/threads/processes
- Embedded Linux/winCE build and application development
- UML, Model based development
- State machines, look up tables, interpolation, extrapolation, statistical numerical methods
- Knowledge of wireless protocols WiFi, Bluetooth, Zigbee, LoRa, GSM
- Knowledge of protocols USB, CAN
- Knowledge of control systems w.r.t. data collection, processing and Control algorithms like Sensors, digital filters, PID control loop,

Essential Soft Skills

- Good interpersonal skills.
- Communicate effectively both in written and oral English
- Self-motivated, innovative, willing to pursue new technical areas and capable of working independently.

Regards,
HR Team – Softdel Systems
Email: - ta@unidel-group.com
Website: - www.softdel.com