

Al Ts

Electrical / Entry Level Software / Firmware Engineer

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www.alemdeveloper.com

Professional Summary

Enthusiastic Electrical / Entry Level Software Developer professional with history of meeting company goals utilizing consistent and organized practices.

Very strong problem-solving skills.

Great abilities to easily learn new technologies.

Skilled in working under pressure and adapting to new situations and challenges to best enhance the organizational brand.

Willingness to take on added responsibilities to meet team goals.

Great at multidisciplinary collaboration

Projects Summary

- Experience in Java Web-based, Desktop Based Development with Concepts of, Object Oriented Design (OOD), Object Oriented Programming (OOP) and its implementations.
- Experience in working with Spring JDBC, Spring Rest Templates.
- Experience in spring modules such as Spring MVC, JDBC, Spring Boot, Spring Microservices.
- Implemented application using Spring Boot and Spring Data Framework and handled the security using spring security.
- Developed a Single page application using React framework and JPA Spring boot fetching data to/from database .
- Experience in Spring Boot, Spring REST / Involved in creating REST Controllers
- Designed a simple traffic controller to correctly delegate a four way traffic. The design was accomplished using Xilinx simulator and hard wiring (JK flip flop, quad two input NAND gates, LEDs, dip switch and resistors)
- Designed a two bit input comparator using Verilog and FPGA

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Environments/Skills/Tools

Java, J2EE, Spring boot, Spring JPA with Micro Services, Hibernate, HTML, CSS, JS, Git, GitHub, MySQL, Maven, Eclipse, JUnit, Xilinx, IntelliJ, Visual Code, Notepad, Microsoft Office, C++, Schematics, Autocad, Soldering, Test Equipment (Oscilloscope, Logic Analyzer)

Work History

01/12 –04/2014 : CDM Smith Walnut Creek, California. EE 2

- Saved company financial costs/damages to people and properties by catching design flaws.
- Helped win contract by adding on extra hours and responsibilities outside of job descriptions
- Delivered projects on time by working and communicating effectively with team members in multidisciplinary environment
- Evaluated power needs for various systems.
- Monitored electrical devices for compliance with safety protocols.
- Identified specific cables, connectors, fuses, circuit breakers and other electrical devices required for installation of monitoring systems.
- Collaborated with multidisciplinary team of engineers and vendors to solve engineering concerns.
- Reviewed drawings and technical diagrams of proposed circuits for viability and compliance.
- Determined most effective approaches to new projects by reading and analyzing blueprints, drawings and sketches.
- Created electrical schematics using AutoCAD Electrical Toolset.
- Reviewed vendor submittals of electrical equipment/instruments , and prepared review comments
- Addressed RFIs.

04/11 – 05/11 : Testlabs San Francisco, California Temp QA tester.

- Identified software bugs using manual mobile testing.
- Using Jira bug reporting software tool, helped software developers address the mobile app bugs.

06/10 – 08/10 : DPW San Francisco, California. Electrical Engineering Student Intern

- Created electrical schematics using AutoCAD Electrical Toolset.
- Using AutoCAD prepared electrical drawings Reviewed drawings and technical diagrams of proposed circuits for viability and compliance.
- Participated in the sizing of conduits, wires and circuit breakers
- Worked on projects involving lighting designs.

Education

Current: Multiple software technologies via Boot Camp and Online courses

Core Java, Restful web services, MySQL, JPA, Hibernate, Maven, Spring Boot, Microservices, React, Version Control(Git)

08/08-12/10: Bachelor of Science: Electrical Engineering

San Jose State University, San Jose, CA