Richard Acuna

Rio Rancho, NM - Email me on Indeed: indeed.com/r/Richard-Acuna/9d950b85078cedcf

Software Engineer - Applications Programmer:
➢ Design, implement and modify applications and specialized utilities.
➢ Analyze user needs and develop highly efficient solutions.
➢ Design or customize Software with the aim of optimizing efficiency.
➢ Simplify user interface.

WORK EXPERIENCE

Software Engineer
CH2M

CH2MHill - Instrumentation and Control Technician 4 Years Rio Rancho, NM
➢ Interfaces and assists operations and maintenance personal with instrumentation, controls, tracking, and production.
➢ Designs and implements Interfaces between Arsenic Treatment facilities, wells, and storage facilities as well as Lift Stations, Waste Water Treatment Plants and Reclaimed water storage facilities.
➢ Designs and Implements software and Graphical User Interfaces to monitor and control Booster stations, Well houses and Lift Stations.
➢ Implements the setup and troubleshooting of a variety of devices Including PC based systems, Linux based systems, Programmable Logic Controllers (PLCs), Graphical User Interfaces (GUIs), touch screen displays, Radios, Motor Operated Valves, Flow Meters, Level Transducers and Floats.
➢ Trains team members in the areas of instrumentation, control, electrical systems, Maintenance of PCs, Networking, Programming, Communications, and Data Base Management.
➢ Designs and implements testing methodologies and procedures. Maintains, troubleshoots, and installs plant management instrumentation, control systems and electrical equipment.
➢ Performs maintenance, troubleshooting, software, hardware and wiring modifications on process controls.
➢ Wired in programmable logic controllers, modifies software, maintains hardware, and performs firmware updates. Loaded software packages on PCs and laptops.
➢ Performed Hardware/electrical/software debugging/troubleshooting indoors and out 24 hours a day, 7 days a week, in all weather conditions.
➢ Modified databases to track use and conditions of hardware. Created tabular and graphical displays of data.
Industrial Electric Automation - Software Engineer 2 Years Albuquerque, NM

➢ Designed Software to control individual wells and storage tanks for municipal water district.
➢ Programmed various hardware platforms including DVR system, PLCs, and GUIs.
➢ Able to set up a variety of devices Including PC based systems, Linux based systems, Programmable logic controllers, touch screen displays, Graphical User Interfaces and radios.
Electrical Mechanical Automation - Software Engineer 5 Years Los Angeles, CA

➢ Designed and implemented innovative solutions to industrial problems.
➢ Reprogrammed Ford EEC-IV computer to allow increased engine performance and fuel economy.
➢ Worked on Direct Injection systems for automobile gas engines.
Cal State Northridge, Calvert Elementary - Computer Lab Tech 7 Years Los Angeles, CA

➢ Set up site specific computer networks and computer labs.

➢ Recover hard drives.
➢ Install/reinstall firmware and software
➢ Aid in classroom instruction/Substitute teacher.

Lockheed Skunk Works - Software Engineer 13 Years Burbank, CA
➢ Developed advanced high fidelity models and software simulations of various aircraft systems.
➢ Designed and developed a terminal encounter simulation.
➢ Software lead programmer on Map Rendering software.
➢ Implemented High level language cutting software development time from six months to a few hours.

EDUCATION

BS in Software Engineering in Computer Science
Cal State University Northridge   -   Los Angeles, CA

SKILLS

PLC PROGRAMMING (7 years), PROBLEM SOLVING (10+ years), SOFTWARE ENGINEERING (10+ years), Microsoft Office (10+ years)

ADDITIONAL INFORMATION

Skills
Complex problem solving, Software Engineering, PLC programming, Designing and Implementing Graphical User Interfaces, DC Troubleshooting, Critical Thinking, BS, Computer Science, Able to comprehend and modify complex systems. Able to form highly effective teams, flexible, reliable.