

## ADAM PIERCE

**SKILLS** JavaScript, Node.js, React.js, Redux.js, PostgreSQL, HTML, CSS,  
Git, DeltaV

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**WORK HISTORY** **AUTOMATION ENGINEER, ZENITH TECHNOLOGIES** [2015 – 2018]

*Projects:*

**GENENTECH, INC. – PURIFICATION SUITE 2** [MAR '15 – 2018]

- P2 project commissioned to build a new purification suite onto an existing GAMP/S88 compliant system.
- Worked as a part of site automation team to oversee project team's software design and creation for new purification system.
- Saw project through design, implementation, installation, and commissioning phases.

**AUTOMATION ENGINEER, R. E. MASON COMPANY** [2011 - 2015]

*Projects:*

**BIOGEN IDEC – MEDIA PREP DEBOTTLENECK** [NOV '14 – MAR '15]

- Automation technical lead for the software/hardware debottlenecking of the existing Media Preparation system
- Designed and implemented the updated, more flexible software to allow higher throughput from the Media Prep system

**MALLINCKRODT PHARMACEUTICALS** [AUG '14 – NOV '14]

- Technical lead for the creation and installation of automation for new Mott Filter system.
- Designed new software, including SFC logic, continuous logic, and operator interface graphics, using DeltaV platform. Design combined elements of continuous and batch control based on customer specifications.
- Lead FAT and general testing of new software system.
- Oversaw control system installation and implementation during start-up

**BIOGEN IDEC** [JAN '12 – JUL '14]

- Supported the scoping and execution of automation projects for new product functionality within a live S88 cGMP facility. These projects

typically involved changes to one or more of the multiple DeltaV (and DeltaV Batch) systems at Biogen

- Maintained automation with manufacturing improvement projects in both upstream and downstream environments, including working on CIP, SIP, pressure test, and process logic for various equipment including bioreactors, prep tanks, chromatography skids, centrifuges, and ultrafiltration skids.
- Created documentation and testing protocols for previously stated projects
- Handled day-shift automation on-call phone, working with manufacturing associates and process engineers to solve automation problems originating at the manufacturing floor
- Worked with the automation team to tackle miscellaneous systems, permissions, and licensing issues, utilizing Emerson's SMS (Service Management System) regularly
- Assisted in maintaining plant hardware, including ThinClient HMI's, development system servers

#### **GRIFOLS** [AUG '11 – DEC '11]

- Designed software under DeltaV platform. This included phase, recipe, unit class, and control and equipment module logic, as well as operator interface graphic design.
- Created design documents and test protocols for new software.
- Supported FAT and general testing of software.

#### **WEYERHAEUSER** [JAN '11 – AUG '11]

- Supported design and creation of DeltaV software in a Provox-to-DeltaV migration, including control module and I/O design and implementation.
- Supported software FAT
- Provided on-site support for installation and implementation of software during plant shutdown.

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## **EDUCATION**

### **PROFESSIONAL EDUCATION**

- React - The Complete Guide (incl Hooks, React Router, Redux)
- The Complete Web Developer in 2019: Zero to Mastery
- Emerson certification for DeltaV Systems Batch Implementation
- Emerson certification for DeltaV Continuous Process Implementation

### **N.C. STATE UNIVERSITY**

B.S Chemical Engineering, GPA: 3.67