

# Stephen C. Allard

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Seeking a position as a self-taught full stack web developer where I can offer experience gained from 7 years of designing industrial control systems to build better web applications.

## WEB DEVELOPMENT / SOFTWARE

### Skills

- Ruby, Ruby on Rails, HTML, CSS, Sass, Javascript, SQL
- Object Oriented Programming, Model View Controller (MVC), HTTP, Relational Database Design
- Automated testing using RSpec and Capybara
- Git version control, linux terminal usage

### Projects

- **The Odinbook**
  - The final project of The Odin Project's Ruby on Rails course
  - A Facebook-like app built with Ruby on Rails that allows users to sign in with Facebook, receive a welcome email upon registering, send and accept friend requests, make posts, comment on posts, like posts, and receive notifications
  - Built in a test driven development (TDD) fashion
  - Styled using bootstrap
  - Github: <https://github.com/esteban90-dev/odinbook>
  - See it live: <https://serene-brook-76128.herokuapp.com/>
- **Flight-booker**
  - An app built with Ruby on Rails that allows users to search for flights, choose one, then book it
  - This app was built to explore using more complicated forms
  - Styled using bootstrap
  - Github: <https://github.com/esteban90-dev/flight-booker>
  - See it live: <https://shrouded-bastion-38868.herokuapp.com/>
- **Eventful**
  - An app built with Ruby on Rails that is similar to Eventbrite
  - Users can create events and invite other users to attend them
  - Styled using bootstrap
  - Github: <https://github.com/esteban90-dev/eventful>
  - See it live: <https://young-reef-55424.herokuapp.com/>
- **Chess**
  - The final project of The Odin Project's Ruby course
  - A basic chess game played between two players on the command line
  - Built in a TDD fashion
  - This app was built to explore proper Object Oriented Design principles
  - Github: <https://github.com/esteban90-dev/Chess>
  - See it live: <https://replit.com/@esteban90/Chess#main.rb>
- **Scratch Off**
  - A todo-list app built with Javascript
  - Users can create todos and assign them to projects
  - Built using the Model View Controller pattern
  - Github: <https://github.com/esteban90-dev/todo-list>
  - See it live: <https://esteban90-dev.github.io/todo-list/>
- **CSS Framework**
  - A utility-first CSS framework that was inspired by Bootstrap, TailwindCSS, and Tachyons.
  - Github: <https://github.com/esteban90-dev/css-framework>
  - See it live: <https://esteban90-dev.github.io/css-framework-site/>
- Many more projects can be found on my Github profile: <https://github.com/esteban90-dev>

## **INDUSTRIAL CONTROL SYSTEMS**

**Total System Integrators - Metairie, LA**  
Position: Control System Programmer

**July 2014 - Present**

### **Responsibilities**

- Design, test, commission, and maintain process, safety, and fire and gas control systems for offshore oil production platforms
- Develop programmable logic controller (PLC) and distributed control system (DCS) code
- Develop graphics for human machine interfaces (HMI) that allow operators to interface with the control system (i.e. start/stop pumps, open/close valves, monitor process pressure and temperatures)
- Conduct factory acceptance tests (FAT) to verify proper operation of control system code and HMIs
- Develop control system code and graphics (HMI) installation procedures
- Worked closely with customer personnel and third-party system vendors to arrive at best control system solutions
- Assist commissioning and operations personnel both remotely and on-site with instrument wiring checks, logic checks, troubleshooting, and system integration during platform commissioning and startup
- Train customer personnel and new hires on PLC/HMI/DCS hardware/software configuration and control system philosophies

### **Skills**

- Allen Bradley Control Logix, PLC-5, SLC-500, Panelview ME, FactoryTalk Site Edition, FactoryTalk View Studio, RSLogix, RSLinx
- Yokogawa CentumVP, CS3000, Prosafe-RS, Exaquantum, Unified Gateway Station (UGS)
- Siemens PCS7, winCC
- DeltaV
- Intellution iFIX
- Triconex
- Det-Tronic Eagle Quantum Premier
- Thermo Scientific AutoExec Flow Computer
- Ethernet/IP, Modbus, Foundation Fieldbus

### **Projects**

- **Shell Whale Semi-Submersible** **July 2020 – present**
  - Conducted control system FAT with control system vendor (Yokogawa) and Shell operations during design phase of project
- **Shell Vito Semi-Submersible** **March 2020 – June 2020**
  - Provided on-site 3<sup>rd</sup> Party control system commissioning support during construction phase of project located in Sembcorp's Singapore shipyard
- **Shell Appomattox FPS** **July 2018 – February 2020**
  - Provided on-site 3<sup>rd</sup> Party control system commissioning support (14/14 offshore rotational schedule)
- **Shell Robert Training Center** **December 2015 – February 2016**
  - Upgraded control system at Shell Robert Training Center's process training facility to implement a fire and gas system
- **Shell Olympus TLP** **September 2014 – September 2017**
  - Provided run and maintain support both remotely and offshore

## **EDUCATION**

- **The Odin Project - Full Stack Ruby on Rails Web Development** **August 2019 - Present**
  - [www.theodinproject.com](http://www.theodinproject.com)
- **East Mississippi Community College, Golden Triangle, MS** **May 2014**
  - Associate of Science in Electrical Technology **GPA 4.00**
- **Mississippi State University, Starkville, MS** **May 2013**
  - Bachelor of Science in Electrical Engineering **GPA 3.91**