# Shantanu Sahai

Graduate of Depot/U's full stack course - November 2016

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## EXPERIENCE

**ISO Coordinator/Programmer,** North American Construction Services - Irondale, AL (Construction, Engineering, Thermal Products, and Custom Fabrication)

February 2014 - September 2016

- http://combustion.fivesgroup.com
- Main objective was Process improvements and Business Management
- Developed, implemented, and maintained the Environmental System. NACS was certified for ISO14001 in December 2014 and passed the surveillance audit in December 2015.
- Developed and implemented a Quality System in August 2015. NACS was certified for ISO9001 in May 2016.
- Business processes established for ISO9001 included: Sales (Quoting/Proposals and Order Processing), Fabrication, Product Design, Construction, Purchasing/Vendor Management, Shipping, Receiving, Construction Site Installations, Competency and Training, Maintenance, Control of Documents, Corrective and Preventive Actions, Internal Audits, Management Review, Calibration, and Control of Nonconforming Product.
- Developed, implemented, and maintained databases for Equipment Maintenance, Observations, Nonconformances, and Environmental Data. The databases comprised of Microsoft Access and VB6.0
- The Maintenance Database comprised of functionalities for scheduling and completing preventive maintenance, and managing work requests via a ticketing system. (Copy of the database available upon request)
- Completed a project called Materials Management Project which allowed isolating weaknesses in the process flow of materials from purchasing to the finished product (including waste) and opportunities to improve the system.

## Junior Java Developer, Greenway Health (formerly SuccessEHS) - Homewood, AL (Medical Software)

April 2012 - January 2014

- http://www.greenwayhealth.com/solution/chc-electronic-health-records/
- Responsible for the creation of CCDA Reports ensuring HIPAA regulations, HL7 standards, and MU2 rules. Validation and testing through JUnit and the NIST validation process (http://cda-validation.nist.gov/cda-validation/validation.html).
- Transferred the report creation process from PL/SQL, .Net, and XML to JAVA and HTML
- **Languages**: PL/SQL, XML, HTML, JAVA
- **Frameworks**: SpringMVC
- **Database**: Oracle
- **Development Kits**: MySQL Workbench, Eclipse
- **Development Methodology**: Agile and Scrum

## ESM Specialist (Contract), Proficient Business Systems Inc./Nissan North America - Franklin, TN (Automotive)

July 2010 - February 2012

- http://www.nissanusa.com/
- https://www.asistfaq.com/
- Helped manage a subscription program called ASIST (Automotive Service Information Support Terminal).
- ASIST provides user-friendly access to Electronic Service Manuals (ESM's) for each type of vehicle created by Nissan.
- **Languages**: C#, .Net

# EDUCATION

## Full Stack Development, Depot/U

Fall 2016

- Codecademy: https://www.codecademy.com/5han7anu
  - HTML/CSS, Ruby, JavaScript, Interactive Website, Make a Website, Git Tutorial, Flow of control/execution exercise, Introduction to OOP, and Inheritance
- Programming Concepts, Programming Foundations, Algorithms, Data Structures, NodeJS, SQL (MySQL), Asynchronous JavaScript, Object Relational Mapping, ExpressJS, Schema Design, HTML/CSS, MongoDB, DOM/JQuery, NoSQL Schemas, Applied Javascript, HTTP/DNS, AJAX, LESS, AngularJS, REST API's, MVC, Sessions, Authentication, and Cookies, AWS, RDS
- Final Project: http://www.shantanu.rocks/
  - Git Repository: https://github.com/5HAN7ANU/Substrate
  - Back End: Node.JS, Express Server, SQL Database with stored procedures, Sendgrid API (Emails), PreRender (SEO), Google Calendar API
  - Front End: AngularJS, Twitter Bootstrap and Grid System, HTML, CSS
  - Hosting: Amazon Web Services, AWS Elastic Beanstalk, EC2, RDS
  - About: The website serves as a branding tool for an independent radio station based in Birmingham, AL. It contains a Content Management System (CMS) which gives the admin control over each part of the website using a login based authentication system.  The magazine is a blog which allows users to submit articles through the website to the admin who is the sole owner of the permissions to publish articles. The calendar is an effort (in progress) to consolidate events for all music venues in Birmingham, AL into one calendar since the city is clearly lacking that resource. The remainder of the website is managed by the CMS through the Admin Portal.
    - Demo available upon request

## BS - Computer Science, UAB

2005-2010

- Object Oriented Programming and Design using JAVA, Computer Security, Algorithms and Data Structures, C/C++, Software Engineering, Automata/Formal Language, Discrete Structures, Virtualization, Information Assurance, Assembly Language, Operating Systems