# Josh Wilson

*Integration Engineer | MuleSoft · Salesforce · Oracle*

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### Profile

Integration engineer designing enterprise data flows across Ellucian Banner, Salesforce, Oracle, and MuleSoft. Built a reusable integration framework and deployment workflows that make configuration, validation, and run analysis more consistent. Background in application development, database engineering, and business analysis.

### Selected Work

**SALVO integration framework.** Designed and built configurable Banner-to-Salesforce synchronization with incremental rules, dry runs, run tracking, and validation and deployment APIs. Connected GitHub Actions workflows to MuleSoft application and configuration deployment. Incremental integrations run in production; the new deployment workflows have been exercised in development.

**TargetX CRM integration.** Designed, developed, and maintained approximately 55 Banner-to-Salesforce CRM interfaces using files and REST APIs, automating formerly manual processes.

**WebAdmit API tooling.** Built a generic script for downloading application data and documents; new systems can be added without changing code.

### Professional Experience

**IT Analyst/Programmer III, Project and New Development** | May 2019–Present | East Carolina University

- Design and support integrations between Banner and third-party systems, including Salesforce CRM flows and real-time APIs.
- Develop Oracle PL/SQL packages, procedures, triggers, and queries to support integrations and applications.
- Build MuleSoft APIs and automation for execution, validation, and deployment; investigate production issues across connected systems.

**Business & Technology Application Analyst, HR/Payroll** | Apr 2017–May 2019 | East Carolina University

- Developed Oracle database objects and Banner integrations for HR and payroll; analyzed requirements with business users.

**Business Systems Analyst, Human Resources** | Mar 2016–Apr 2017 | East Carolina University

- Analyzed business processes and developed PL/SQL queries and reports for institutional users.

**Business & Technology Applications Technician** | Dec 2014–Mar 2016 | East Carolina University

- Built SQL Server Reporting Services solutions and taught business intelligence courses to faculty and staff.

**Business Systems Analyst Intern** | Aug 2013–Dec 2014 | East Carolina University

- Developed Oracle SQL reporting and analysis solutions from enterprise data.

### Technical Focus

MuleSoft · Anypoint Platform · REST · RAML · Salesforce · SOQL · Ellucian Banner · Informatica · Oracle SQL/PLSQL · GitHub Actions · Java · C# · JavaScript

### Education

BS Computer Science, East Carolina University, 2015 | BS Horticultural Science, NC State University, 2010