

# Jerry Wohlgemuth

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## Experience

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### StellaService

New York NY

*Software Engineer*

2015–present

Member of an agile development team focused on TDD and paired programming

- Developed client dashboards using React with Chart.js and Elasticsearch backend
- Integrated Elasticsearch backend to greatly increase performance of full text searches and aggregations throughout the application
- Contribute to a data return service written in Elixir/Phoenix
- Develop Rails app that serves thousands of customer service agents who solicit feedback from their customers
- Contribute to a Django app that delivers customer service metrics to retailers and Google
- Design AWS API Gateway/Lambda services to allow Zendesk, Desk.com and other CRMs to integrate with the core app
- Contribute to a Django service to handle sending marketing emails as follow ups to solicitations sent through the Rails app
- Maintain separate EmberJS app that collects customer feedback
- Build workflow for managing multi-tenancy around integration with GoodData

### Media Thirst (Brand of WMC Global)

Washington, DC

*Director of Technology*

2014–2015

Led team of five developers maintaining and improving Python applications

- Developed Celery-based web crawlers that detected and scraped 100k+ advertisements a day
- Oversaw optical character recognition development to recognize text within advertisements; leveraged Alchemy API
- Improved user experience by refactoring front-end to use AngularJS
- Managed automated deployments using Fabric
- Developed prototype application based on scraping the Google Play Store

### WMC Global

Fairfax, VA

*Manager of Data Analytics*

2013–2014

Managed team of three data analysts and developed data products

- Provisioned and integrated Tableau server into web applications
- Conducted interviews, on-boarded, and trained all new data analysts
- Developed R scripts to produce monthly and adhoc client deliverables
- Maintained data warehouse and production ETLs
- Furthered client relationships by providing on-demand technical consulting

### WMC Global

Fairfax, VA

*Senior Data Analyst*

2011–2013

Expanded organization's analytics consulting and development capabilities, leading to creation of data analytics department

- Engineered credit score-like product to evaluate risk of current and potential third party billing partners on wireless carrier's networks in Python
- Conceived and implemented fraud detection product, built using Pentaho Data Integration, to protect client's subscriber base
- Liaised with client attorneys to provide ad hoc reporting requests to federal and state government bodies for top-tier wireless carrier

## Skills

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**AWS:** Lambda, API Gateway, Elasticsearch, DynamoDB, RDS, SQS, S3, CloudFront, ElastiCache, IAM

**Language:** Ruby, Python, Javascript, Elixir

**ETL:** Pentaho Data Integration, GoodData

**Persistence:** Postgres, MySQL, MongoDB

**Frameworks:** Ruby on Rails, Django, Flask

**Client Frameworks:** Ember, React

**CI:** Bamboo, CircleCI, Travis

## Education

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**James Madison University**

Florence, Italy

*MA Political Science 4.0/4.0*

2009–2010

**James Madison University**

Harrisonburg, VA

*BA International Affairs 3.4/4.0*

2005–2009

## Publications

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John A. Scherpereel, Jerry Wohlgemuth & Margaret Schmelzinger (2016): **The Adoption and Use of Twitter as a Representational Tool among Members of the European Parliament**, *European Politics and Society*, DOI: 10.1080/23745118.2016.1151125