

# JAMES C. DAVIS

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## Summary

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I am a seasoned software engineer who excels at leading teams and hands-on development. I have a vast array of technical skills in the area of web application/API development and enjoy mentoring other engineers to bring out their highest potential. I believe in a pragmatic approach that utilizes development best practices to ensure high code quality and optimal output.

## Experience

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**Senior Software Engineer** Jun 2012 - Present  
Harte Research Institute for Gulf of Mexico Studies – Corpus Christi, TX

- manage the software engineering team for a \$500 million project with users in 17 countries
- design, implement, and maintain an enterprise data repository web application
- implement agile software development processes and serve as Scrum Master

**Senior Software Engineer** Jan 2007 - May 2012  
Conrad Blucher Institute for Surveying and Science – Corpus Christi, TX

- led the software engineering team for a scientific research institute
- designed and developed web applications for environmental data exploration
- developed technology budgets for federal, state, and local research grants

**Software Engineer** Jan 2005 - Dec 2006  
Conrad Blucher Institute for Surveying and Science – Corpus Christi, TX

- worked on a software engineering team for a scientific research institute
- developed web applications for environmental data collection and dissemination
- maintained software behind a real-time marine data collection network

## Education

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**Master of Science - Environmental Science** 2013  
Texas A&M University-Corpus Christi, Texas

**Bachelor of Science - Computer Science** 2002  
Texas A&M University-Corpus Christi, Texas

## Tools & Technologies

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**MVC Web Frameworks:** Ruby on Rails, PHP Symfony, Perl Catalyst **CMS:** Drupal, WordPress  
**Front-end:** JavaScript, jQuery, Angular, Backbone, Ember, Bootstrap, HTML5, CSS3, SASS  
**Back-end:** PostgreSQL, MySQL, MongoDB, RabbitMQ, Elasticsearch, Redis, Docker, EC2

## Practices & Paradigms

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Version Control, Unit Testing, Selenium, Continuous Integration, Refactoring, Pair Programming, Agile, Scrum, Kanban, Code Review, Coding Standards, Test-driven Development, BDD, DDD, DRY, YAGNI, Object-oriented Programming, RESTful APIs, Microservices Architecture, SAAS