

# Charles D. Crawford III

Seattle, WA charliec364@gmail.com

## SKILLS

|                                   |  |
|-----------------------------------|--|
| <u>Languages(advanced):</u>       | JavaScript, Ruby, Python, Java, C  |
| <u>Languages(proficient):</u>     | Lua, Scala, C#   |
| <u>Software, Tools, and Misc:</u> | ReactJs, Redux, Docker, Container Orchestration, AWS, Cloud, Rails, Git, Express, SQL, Mongo, REST, GraphQL, SASS, L <sup>A</sup> T <sub>E</sub> X |
| <u>Softskills:</u>                | Teaching, Management, Technical Writing, Public Speaking, Empathy  |

## EXPERIENCE

**Enterprise Instructor**, Develop Intelligence, Global March 2016 - Present

- Train staff, principal, senior, and entry level engineers in modern tech stacks
- Technologies taught includes Docker, JavaScript, React, GraphQL, Redux, Angular, Ruby, and CSS
- Clients include SalesForce, Intuit, Starbucks, VMWare, and Indiana University
- Pitch, negotiate, and scope courses with clients
- One of the top rated instructors 4.9/5

**Owner**, Charles Crawford III Consulting, Seattle, WA Jan 2015 - Present

- General software development
- Specialties in Full-Stack JavaScript (React, Express), and Docker
- Simquotes real time screen printing quotes (Node, Express, Sequelize, SQL, React)
- Instructor NPS visualization tool in React, Rails, and ChartJs
- Manage subcontractors for larger projects

**Lead Instructor**, Code Fellows, Seattle, WA Jan 2015 - Present

- Instructed 401 Advanced JavaScript course (Express, SQL, Mongo, Authorization, Angular, React, Data Structures and Algorithms)
- Instructed 301 Intermediate Software Development course (JavaScript, JQuery, Page.js, SQL, SASS)
- Instructed 201 Foundations of Software Development course (HTML, CSS, JavaScript, Responsive Design)
- Instructed 101 Intro to Software Development Course
- Instructed Foundations II Ruby
- Instructed Foundations II JavaScript
- Developed curriculum for courses of all levels
- First full course sequence instructor and first Portland instructor
- Manage team of Assistant Instructors
- Mentored and trained the incoming instructors for the 301 and 401 courses

**Technical Evangelist and Chief Blogger**, Shippable, Seattle, WA Dec 2014 - July 2015

- Primary author of the company blog [blog.shippable.com/](http://blog.shippable.com/)
- Blog achieved over 3,000 unique hits per month
- Regularly created sample code of new features at [github.com/Shippablesamples](https://github.com/Shippable/samples)
- Customer Solution architect
- Collaborated on RESTful API design for our public API
- Documented API and other features
- Increased site traffic by over 300 percent within three months

**Software Development Engineer**, Amazon.com, Seattle, WA Sept 2013 - February 2015

- Created, tested, maintained, and deployed software to customers
- Worked with all aspects of product: Development, QA, Testing, Deployment, Customer issues
- Individually responsible for major features such as Java 7 Python 2.7, and Ruby 2.0 availability
- Worked in a Unix development environment with several technology stacks (Java, PHP, Node.js, Python, and Ruby)
- Sole Developer of the AWS Elastic Beanstalk Ruby 2 Puma container
- Documented new product features and cross team work experience (worked full time with another team for one month)
- Published writer for the AWS Application Management blog
- Help with product direction for the Ruby/Rails container by researching community standards/development

**Research Programmer**, Office of Naval Research, Tucson, AZ

Sept 2012 - Sept 2013

- Worked on Netvue, a real time visualization system: [netvue.cs.arizona.edu/index.html](http://netvue.cs.arizona.edu/index.html)
- Ported .NET networking protocols to the JVM with Scala
- Implemented quad tree data structures for network visualization
- Converted data structure library from C to the new C# and .NET based architecture

**Software Engineer Intern**, Honeywell Aerospace, Tucson, AZ

Aug 2012 - Sept 2012

- Worked on a Make like tool to resolve and evaluate project dependencies.
- Created a Python web scraping tool that built an Excel sheet from the data

**Assistant Head Programmer**, Valiant Horizons, Riverside, CA

Aug 2011 - Sept 2012

- One of the head developers for the C# based game and website
- Trained incoming developers

**Co-Founder**, RAN Consulting, Phoenix, AZ

Aug 2011 - Aug 2013

- IT and web design consulting
- Designed and maintained the company website
- Formulated our services and fees
- Marketed the company in the Phoenix and Tucson area
- Hired and evaluated the abilities of incoming employees

## Projects and Publications

- Docker Orchestration and Microservices Live Lessons with Pearson
- ReactJs Ecosystem Live Lessons with Pearson
- [thenewstack.io/author/charlie-crawford/](http://thenewstack.io/author/charlie-crawford/)
- [blog.shippable.com/author/charlie-crawford](http://blog.shippable.com/author/charlie-crawford)

## EDUCATION

- B.S. in Computer Science Honors, University of Arizona, Tucson, AZ
- 3.8 Magna Cum Laude.
- Thesis: Adjusting Poker AI based on Opponent Strategy

## HONORS AND COMMUNITY INVOLVEMENT

- Director of Marketing for Hack the People
- Volunteer at Ada Developers Academy
- Xerocraft and CreatIT Volunteer Programming Instructor
- Theta Tau Professional Engineering Fraternity