RJ Cantrell

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EDUCATION **Master of Computer Science**, The University of Illinois at Urbana-Champaign   **Specialization:** Data Science

Bachelor of Science in Business Administration, with distinction, The University of Alabama
Majors: Philosophy, Management Information Systems   **Honors:** International Honors Program,
Minors: Computer Science, Computer-Based Honors Research   University Honors, Mallet Assembly

Ongoing education: Microsoft Certified Solution Developer, Microsoft Certified Professional Developer: Enterprise Architect, K2 Solutions Professional (K2 Learning), Machine Learning (Stanford), Design Thinking for Business Innovation (Univ. of Virginia), Computing for Data Analytics (Johns Hopkins), Gathering and Cleaning Data (Johns Hopkins), Introduction to Music Theory (Univ. of Edinburgh), Algorithm Design (Princeton), Python and Python APIs (Codecademy), Model Thinking (Michigan), Leadership through Emotional Intelligence (Case-Western Reserve University)

EXPERIENCE **Director of Software Delivery**, Wineshipping, Napa, CA
Nov 2021 –
Sep 2022
- Managed headcount, culture, and architecture in fully-remote organization (across US, India, Ukraine)
- Obsessed with customer experience, driving user-journey improvements with designers and frontend devs
- Designed integration of acquired/legacy data platforms via Azure Data Lake for low-code PowerBI reporting
- Refactored monolith to event-driven cloud microservices via Azure Service Bus for observability/extensibility
- Replaced polling background jobs with webhooks for improved performance at lower operational cost

Apr 2019 -
Nov 2021
Director of Technology, Spire Digital, Denver, CO
- Grew a new account to be the company's largest client in both team size and revenue
- Manage delivery-team organizational structure, practices, and headcount
- Responsible for realizing Gross Margin and Client Satisfaction metrics
- Lead architect and developer on enterprise data platform
- Assisted startup in maturing and scaling processes to complete acquisition by multinational company
- Promoting developer education through lunch-and-learns and mini-hackathons

Feb 2014 -
Mar 2019
Technical Team Lead, SunTrust Banks (now Truist), Atlanta, GA
- Shorten development timelines by refactoring myriad legacy apps into reusable SOA components
- Greatly reduced bugs found in testing and production by introducing automated testing and code metrics
- Reduce effort and human error in releases through continuous integration and continuous deployment
- Improve app performance by finding and resolving bottlenecks in distributed banking systems
- Coach teams on agile mindset and development practices
- Influenced department culture of craftspersonship, by specializing in code review and developer learning

Mar 2012 –
Jan 2014
Team Lead and Company Bartender, Kabbage, Atlanta, GA
- Designed and built machine-learning-powered credit underwriting engine central to company's product
- Built scalable cloud-based data-collection platform targeting multiple third-party APIs
- Built data-processing workflow library based on cloud-based message queueing systems
- Created tools to automate AWS infrastructure management and responsive-design site to perform these tasks from employees' phones
- Implemented responsive design for email templates and public-facing Orchard CMS and MVC webapps
- Created deployment-management tools using NAnt and XSLT to validate cloud server configuration
- Served as subject-matter expert in vendor-selection and contract-negotiation processes
- Coordinated technical strategy, architecture, and timeline with CIO and other team leads
- Introduced aspect-oriented programming to commonly-used base classes and exception-handling code
- Dramatically lowered cloud-computing costs by removing system bottlenecks in platform infrastructure
- Led cross-functional team in work sprints, Scrum ceremonies, and performance reviews
- Crafted exceptional libations to celebrate each successful release (Appletini, Bellini, Commodore…)

Mar 2010 - Mar 2012	**Solution Developer,** Avanade, Atlanta, GA (consulting)
	• Architected legacy C++/MFC to WPF/MVVM conversion of multi-billion-dollar critical customer-facing app
	• Led team of developers in prioritizing and building proof-of-concept applications for sales demonstrations
	• Designed and built AJAX/jQuery libraries to capture cutting-edge user analytics on websites
	• Improved maintainability in legacy code by introducing design patterns and new language features
	• Worked with subject matter and UX experts to design intuitive, compliant healthcare frameworks

Aug 2009 - Feb 2010	**Senior IT Developer,** The Home Depot, Atlanta, GA (contract)
	• Implemented SOA platform and mobile apps for inventory-management, merchandising, and point-of-sale
	• Performed code reviews and performance testing for other teams, offshore and contract workers
	• Regularly worked full shifts in stores to gain users' ongoing insights and feedback on deployed applications

July 2006 - July 2009	**Solution Developer,** Avanade, Atlanta, GA (consulting)
	• Managed a multi-site team of developers and testers in implementing new features and fixes
	• Owned product roadmap, balancing public-sector, private-sector and employer's interests
	• Designed, built, and maintained mission-critical data platform for mobile/wearable devices
	• Wrote hardware abstraction layer code for streamlining development on devices with varying capabilities
	• Designed customizable, automated unit-test system for mobile applications
	• Served on multiple long-term full-lifecycle engagements with challenging clients
	• Performance-tested and optimized SOA-based web service platform and underlying subsystems

May 2005 - July 2006	**Programmer-Analyst,** Hewitt Associates (now Aon Hewitt), Atlanta, GA
	• Maintained confidential financial records for 120,000 plan participants across 10 client companies
	• Provided analysis of complex health & welfare system defects from legal and technical standpoints
	• Collaborated with and trained overseas associates on team practices and 401(k) plan management

Aug 2004 - May 2005	**Business System Analyst and Tech Lead**, Acuity Brands Lighting, Atlanta, GA
	• Developed ASP.NET tool to facilitate the organization's custom SDLC and categorize human capital
	• Owned the product roadmap, negotiating contents to build stakeholder buy-in from customer organizations
	• Analyzed current systems to determine business value and client expectations for replacement

June 2004 - Aug 2004	**Systems Development Intern,** BellSouth (now AT&T), Baton Rouge, LA
	• Built shipment-tracking intranet application deployed across the southeast
	• Automated logistics operations, adding basic AI components like order-prediction and anomaly-detection

May 2003 - June 2004	**E-Business Analyst Intern,** Gulf States Paper Corporation (now The Westervelt Company), Tuscaloosa, AL
	• Saved a projected $2.5 million / yr. with a computer-vision-driven downtime-recording system
	• Further details available upon request

Jan 2002 - May 2003	**HelpDesk Consultant,** Seebeck Computer Center, University of Alabama, Tuscaloosa, AL
	• Details available upon request

TECHNICAL EXPERIENCE	**Languages**: Python, R, C#, C/C++, ASP.NET MVC, .NET Framework / Core / Compact Framework, F#, Java, VB6, ColdFusion, SQL, Matlab, PHP, HTML, JavaScript, CSS, COBOL, JCL, SAS
	Tools: D3, TensorFlow, jQuery, Amazon SQS/EC2/S3, MSMQ, Ant/NAnt, Oracle, MS SQL Server 2005-2016, MS SQL Mobile 2008, DB2, MS Visual Studio, Eclipse, Apache, Tomcat, Maven, Axis/Axis2

OTHER SKILLS	Leadership experience, strong writing and communication skills, experience in statistical analysis, neural networks, support vector machines, linear and logistic regression, K-means clustering, recommender systems, principal-component analysis, data acquisition, data cleaning, and visualization.

HONORS, ACTIVITIES	**National Merit Scholar**	**Dean's List** (3 years)
	JL Bedsole Scholar	**National Dean's List** (2 years)
	Randall Research Scholar (née Computer-Based Honors)	**Jiu-jitsu blue belt, muay thai orange shirt**
	Avid rock climber, backpacker, blues dancer	**Bacon Number of 3 (June 2020 average: 3.182)**