Dante Smith

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Education

University of Wisconsin-Madison   *Madison, Wisconsin*
Master of Science, Computer Science *(GPA: 3.9/4.0)*   *June 2020 - December 2023*

University of Cincinnati   *Cincinnati, Ohio*
Bachelor of Science, Chemical Engineering *(GPA: 3.5/4.0)*   *August 2012 - May 2017*

Work Experience

Charter Communications (Spectrum)   *Madison, Wisconsin*
Software Engineering Associate   *June 2024 - Present*

- Year-long rotational program where we spend 3 months with 4 different teams in the software development vertical.
- **Cybersecurity**: Wrote Terraform modules and Ansible playbooks to automate provisioning and configuration of AWS EC2 instances for use in adversary simulation C2 campaigns.
- **Spectrum TV App**: worked with React and Redux sagas to reduce unnecessary calls to retrieve data; worked on project to create new React components to streamline a user's experience watching video on-demand episodes; configured CSS stylesheets to control how customer education tooltips appear to a user.
- **Network Construction App**: Full-stack web development using Angular for the front-end and Spring Boot for the back-end, allowing information on new network construction jobs and parent projects to be submitted and managed.
- **Provisioning Services App**: Back-end development using Spring Boot, allowing information to be sent between microservices in Spectrum provisioning services to handle device swap and reprovision workflows.
- *Technical Skills*: Amazon Web Services (AWS), Ansible, Terraform, React.js, Redux, Angular, Spring Boot, Automated Testing (Jest, Jasmine, JUnit)

University of Wisconsin-Madison   *Madison, Wisconsin*
Data Engineer   *January 2024 - June 2024*

- Wrote SQL queries to extract health information out of Epic databases to fulfill data requests for investigators in the School of Medicine and Public Health. Performed code review on queries written by peers.
- Wrote Python scripts to automatically run aforementioned SQL queries and automatically store the results in Azure Blob storage (for our team's long term records) and in related REDCap projects (for delivery to investigation team).
- *Technical Skills*: Microsoft SQL Server, Python, Azure DevOps

Charter Communications (Spectrum)   *Denver, Colorado*
Network Technology Operations - Analytics and Automation Intern   *June 2023 - August 2023*

- Wrote Ansible configuration scripts to automate Kubernetes cluster bootstrapping, including install of dependencies, network setup, connecting to container image repository, and setup of ArgoCD state management controller.
- Wrote Python code for custom Kubernetes controller to handle synchronizing cluster services with corporate DNS client, and assigning self-signed TLS certificates.
- *Technical Skills*: Kubernetes, Docker, Ansible, Python, Linux System Administration, ArgoCD, PostgreSQL

Epic Systems Corporation   *Madison, Wisconsin*
Technical Solutions Engineer - Analytics and Oncology Treatment Platforms   *July 2017 - September 2022*

- Served as primary technical advisor to 5 hospital system BI teams, providing guidance on Epic's reporting infrastructure and helping diagnose performance issues and system inefficiencies.
- Wrote SQL queries to monitor production error logs across entire customer base, identify upgrade-related risks, and drive proactive issue resolution.
- Led projects as co-lead of the oncology analytics workgroup, delivering KPI dashboards for clinic managers and running feedback-driven webinars to improve reporting tools.
- Built and taught internal modules on creating custom data retrieval rules and criteria for reporting, enhancing real-time reporting on hierarchical data in Chronicles.
- Guided customers in designing interactive data visualizations to enhance clarity and user engagement in reporting tools.
- Coached new employees on Epic's technical architecture and product workflows, emphasizing scalable support strategies and proactive incident response.
- *Technical Skills*: Microsoft SQL Server, InterSystems Cache (NoSQL database)

Technical Skills

Programming Languages	Python, Java, JavaScript, C, C++, HTML/CSS
Front-End Web Development	React.js, React Native, Angular
Back-End Web Development	Spring Boot, Express.js
Infrastructure & Automation	Linux, Ansible, Terraform, Kubernetes, GitHub Actions
Cloud Platforms	Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)
Data Processing	SQL, Apache Spark, Apache Cassandra, Apache Kafka, Google Big Query, PyTorch