EMILY SWANSON

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EXPERIENCE

Bread
Senior Software Engineer | January 2021 – Present
- Architected the application orchestration service to be highly configurable across multiple tenants, partners, merchants, payment products and countries
- Developed an instore solution for customers to checkout with Bread loans at brick-and-mortar stores

Software Developer II | March 2020 – January 2021
- Rebuilt a legacy platform from scratch using Go microservices leading to a $450M acquisition
- Implemented credit report retrieval and buyer identity matching

Capital One
Senior Software Engineer | August 2019 – March 2020
- Built a new platform for Commercial Banking customers to service online using a NATS based architecture
- Developed call chain security throughout the Go microservices using Java Web Tokens (JWTs)

Software Engineer | July 2017 – August 2019
- Developed the first microservice on Capital One's credit card servicing website using Java, Spring Boot, and Spring MVC to deliver a credit card delivery tracking feature
- Integrated the first external rewards points bank into Capital One's system, so that customers can view and redeem their rewards through both account credit and purchase eraser options
- Created a mocking framework to increase stability in non-production environments

Associate Software Engineer | July 2016 – July 2017
- Developed an internal iOS application for monitoring of Teradata, Hadoop and Docker leveraging existing REST APIs
- Integrated push notifications allowing users to subscribe to specific health changes

EDUCATION

Georgia Institute of Technology, Dec 2022
Master of Science, Computer Science
Specialization: Computing Systems
GPA: 4.0

Vanderbilt University, May 2016
Bachelor of Engineering, Computer Engineering
Minor: Engineering Management
GPA: 3.842

AWARDS AND LEADERSHIP

- **Bread Peer Recognition Award** – won an engineering-wide quarterly peer recognition award for my leadership, collaboration and resourcefulness while building out Bread's multi-tenancy solution
- **Capital One Innergize Hackathon 1st Place Winner** – won a company-wide hackathon by developing a tool that advertises and incentivizes contributions to internal technology solutions
- **Vanderbilt Technology Recruiting Track Lead** – led a team of Vanderbilt alumni within Capital One to recruit the largest number of Vanderbilt engineering graduates compared to any other company
- **Magna Cum Laude** – earned a GPA equaling the top 5-13% of the previous year's graduates
- **Cornelius Vanderbilt Scholar** – received a full-tuition scholarship based on academic merit

SKILLS

- Golang, Python, Java, JavaScript, Swift, C++, Android, gRPC, and SQL
- AWS Solutions Architect Certified (2017 – 2019), Kubernetes, Docker, Splunk and Datadog
- Object-Oriented Programming (OOP), Agile Methodologies and Testing, Project Management