

CONNOR YAGER

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WORK EXPERIENCE

Amazon Web Services, New York, New York

October 2022 – Present

Serverless Containers: Software Development Engineer I, Software Development Engineer II

- Owned component services of AWS Fargate control plane
- Designed and delivered numerous improvements to our services, including:
 - Redesigned the authorization mechanism for our spot price computation service to improve security
 - Delivered an org-wide recommendation and led implementation of security testing automation
 - Led and completed a migration of our transactional database platform to avoid imminent scaling cliff
 - Added scale testing functionality to a vital service, enabling our team to detect scaling limits
 - Contributed to improvements to Fargate instance utilization, a top-priority goal for the service
- Led team operational excellence for high-throughput services as “operations captain”
- Mentored summer intern, supporting their growth and eventual hiring
- Earned a promotion to SDE II

CapTech Ventures, Inc., Richmond, Virginia

September 2020 – October 2022

Software Engineer, Senior Systems Integration Consultant

- **Mission Lane**, *Software Engineer* April 2021 – October 2022
 - Architected and developed a system for delivering credit card statement documents while transitioning card-processing platforms [Kotlin, Java, Spring Boot, TSYS]
 - Retired a monolithic architecture and transitioned to a microservices architecture [Kubernetes, GCP]
 - Developed customer identity platform as source-of-truth for entire organization [Kotlin, Spring Boot]
- **MePrism**, *Backend Engineer* September 2020 – April 2021
 - Developed APIs for processing of customer browser and social media data [Python, Flask, AWS ECS]
 - Built processes for storage and transfer of customer data [Step Functions, Batch Jobs, Lambda, S3]
- **Internal**
 - Earned a promotion to Senior Consultant
 - Trained college new hires as a cloud technologies subject matter expert
 - Presented project update to all engineering consultants during company all-hands

EDUCATION

University of Virginia, School of Engineering & Applied Science

May 2020

Major: Computer Science, Minor: Physics

Leadership: Delta Sigma Phi [Executive Board Member], Club Lacrosse [Treasurer, 2018 National Champion]

SKILLS

Software Engineering

- AWS Certified Developer Associate – passion for building projects in the cloud
- Knowledge of object-oriented design and languages [Java, Python, C++, Kotlin]
- Well-versed in Agile software development processes, from requirements to maintenance
- In-depth understanding of data structures, algorithms, computer architecture, and computational theory
- Proven ability to work with and lead a team to deliver expertise for technical or non-technical clients
- Experience solving problems at scale, under the constraint of guaranteed performance at high volume

Web Development

- Experienced in HTML, JavaScript, CSS, RESTful APIs, front-end and back-end web design
- Working and coursework experience with database use, management, and optimization
- Technical understanding of user interfaces and user-experience, both from studies and work experience
- Passion for building integrated and useful applications and tools, shown in personal projects

Additional

- High-level math skills, including calculus, probability, discrete math, and linear algebra
- Advanced topics in physics, including relativity, quantum mechanics, and applied nuclear physics
- Motivated learner, tinkerer, and explorer of new topics, technologies, and practices