AMY SCHLESENER

Kirkland, WA 98033
linkedin.com/in/amyschlesener
amy@amyschlesener.com

(206) 659-1549   amyschlesener.com

SENIOR SOFTWARE ENGINEER

Accomplished software engineer skilled at rapidly delivering high-quality code. Passionate about problem-solving, building secure software, and learning new technologies. Excellent communication skills with a solid background in technical leadership and mentoring.

- Software Development
- Cloud Computing
- Web Security
- API Design
- Troubleshooting
- Automated Testing

TECHNICAL PROFICIENCIES

Languages: Go, Python, C#, Java, SQL
Technologies: AWS, Git, Docker, REST and GRPC microservices

EXPERIENCE

CAPITAL ONE, Seattle, WA   June 2018 - Present
Principal Software Engineer

- Owned orchestration layer service (Golang, GRPC) of new financial product; collaborated with multiple teams, including mobile, design, and backend, to add new features to service, resulting in successful release of product to 160k beta customers
- Built a large-scale distributed system in AWS to run data science models in production (Luigi, Dask, various AWS services) as part of the data engineering team
- Delivered Kafka producer for streaming and transforming data from S3 in Python
- Taught secure coding classes to engineers, focusing on OWASP vulnerabilities, resulting in 22 other Capital One associates obtaining their internal security certification

EXPERTVOICE, Kirkland, WA   November 2016 - May 2018
Software Engineer III

- Increased performance of an autocomplete search by storing large data in Elasticsearch and populating with an Azkaban job, resulting in an 80 times faster search response
- Quickly ramped up on Go to build one of the first Go microservices used in production at the company, training teammates and evangelizing the language to colleagues
- Added features to services and websites across the full stack, including database (MySQL), API (Go, Java, Ruby on Rails), and web apps (JSP, JavaScript, Backbone.js, CSS/SCSS)

BLUETOOTH SIG, Kirkland, WA   May 2015 - November 2016
Software Developer III

- Served as lead developer for company ticketing system; designed and implemented architecture, code, and deployment strategy
- Built an internationalized customer registration web application in AngularJS with Typescript
- Wrote a web service in C#, built on ASP.NET Core and Entity Framework with SQL Server, to support the registration web application and integrate with other services
- Received multiple company-wide employee recognition awards for being vital to the success of projects

LOGOS RESEARCH SYSTEMS, Bellingham, WA   **June 2013 - August 2014**
Software Developer (August 2013 - August 2014)
Software Developer Intern (June 2013 - August 2013)

- Designed and implemented a system in C# and JavaScript that drastically reduced hacking attempts on customers' website accounts by using a proof-of-work protocol on login
- Analyzed company website for security vulnerabilities, using tools such as BurpSuite, and remediated them; configured network security through F5 BIG-IP
- Added various backend features to customer-facing .NET web applications and APIs

WESTERN WASHINGTON UNIVERSITY, Bellingham, WA   **January 2013 - March 2013**
Computer Science Teaching Assistant

- Led two labs weekly for Programming Fundamentals in C++ (CSCI 140) and Computers and Applications (CSCI 101); provided tutoring, grading, and feedback for approximately 60 students
- Taught C++, Linux, HTML, JavaScript, Visual Studio, algorithm design, and various computer science and programming concepts

EDUCATION

Bachelor of Science, Computer Science
Western Washington University, Bellingham, WA

CERTIFICATION

Certificate in Ethical Hacking - Expected September 2019
University of Washington, Professional & Continuing Education
A three-course program covering topics such as penetration testing, network/web/application security, and reverse engineering, culminating in a Capture the Flag exercise

AWS Certified Solutions Architect (Associate) - Expected July 2019

PUBLICATIONS

Co-Author, **"Approaches for Preventing Honeypot Detection and Compromise"**, IEEE Global Information Infrastructure and Networking Symposium (GIIS), October 2018