

JEN LOOPER

Wellesley, MA

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PROFESSIONAL SUMMARY

Experienced educator, technical team leader, developer advocate, and architect with 24+ years experience driving innovation focused on educational program design, instruction, and curriculum development. Proven track record of creating impactful learning experiences in cloud computing and computer science by building viral online experiences with millions of views. Scaled award-winning community programs globally, reaching 50K+ technical and tech-adjacent students in 32 countries. Passionate about bridging the digital divide globally and advocate for women in the technical workforce. Author of CS textbook for grades 6-8 and STEM advocate.

KEY SKILLS

Team Leadership, Coaching, Mentoring	Inclusive Global Program Design	Building Digital Access
Strategic Planning via Metrics + Insights	Software Engineering + Architecture	Curriculum Development

RELEVANT PROFESSIONAL EXPERIENCE

Head of Academic Advocacy, AWS (Amazon)

2022 - 2024

- Founded global AWS Cloud Clubs, grew membership to 52K students in 32 countries globally with particular strength in South Asia (Pakistan, India, Bangladesh) and Africa (Nigeria, Kenya)
 - Wrote software to support launch, filling a gap in tooling
 - Worked through AppSec and Legal requirements to launch the program, used metrics and data to enhance program
 - Built strategy for Club program, including budget forecasting and writing and maintaining program SOPs and yearly plans
 - Designed all visual assets for program
 - Created communications strategy for internal and external stakeholders
 - Gathered allies across Amazon to help manage large cohort intake annually (5-10% acceptance rate into the Cloud Club Captain groups)
 - Designed 'Camp' program, Exam Slam, and Student Community Day strategies for hands-on Cloud Club learning and in-person activations on campus, all of which allowed students to earn Credly certifications which I designed.
- Hired and led the Academic Team, a multicultural global team of Program Managers, Community Managers, and Developer Advocates
- Championed students as a member of the Developer Relations leadership team
- Coached external teams on managing grass-roots student outreach
- Partnered with multiple external teams to scale programs to reach more students
- Created innovative content and event experiences to benefit postsecondary students
- Designed and launched "Learning Capsule" curriculum for Cloud fundamentals available for students globally

Principal Education Developer Advocate Lead, Microsoft

2019 - 2022

- Led team of Developer Advocates in Academic Advocacy, interfacing with many other student-focused teams, including sponsoring, coaching and mentoring advocates.
- Led Regional team of Developer Advocates for US/LATAM/Canada
- Worked with University Relations and other internal groups to deliver appropriate content in venues such as hackathons and workshops

- Developed innovative Microsoft Learn online paths to teach web technologies and a new career learning path
- Managed Museums and Libraries Pilot program, partnering with many museums and leading a project build with the Cooper Hewitt Museum
- Led team to develop 5 popular online curricula with 3+ million of page views on GitHub. These curricula regularly trend on GitHub as some of Microsoft's most popular.
- Built three innovative 'Mystery' experiences released on microsoft.com, experimenting with gamified learning interfaces

Founder and CEO, Front-End Foxes, Inc.

2018 - 2023

- Founded a worldwide nonprofit dedicated to increasing numbers of women in the front-end developer community that scaled rapidly, with over 1500 women on Slack
- Maintained 15 active chapters from Colombia to Japan, focusing on bridging digital divides in emerging markets and underserved communities
- Managed staff, enrollments, and admin tasks for operations including taxes, payroll, and nonprofit administration
- Created and managed workshop content and logistics
- Opened a free bootcamp for women during COVID, teaching multi-week cohorts worldwide with paid instructors using our own vetted curriculum
- Successfully delivered 4 boot camp cohorts, with the final one sponsored by Reddit, educating hundreds of women worldwide

Lecturer (Front-End), Boston University Metropolitan College

2022

Senior Developer Advocate, Progress Software

2014 - 2019

EDUCATION

M.A. and PhD

University of California, Berkeley, French
Fulbright Fellow to France, 1996

1992 - 1998

B.A.

Wellesley College, French Studies, Magna Cum Laude, Phi Beta Kappa

1988 - 1992

TECHNICAL SKILLS

Cloud Computing: AWS, Azure, GCP

Programming: JavaScript, Python, HTML/CSS, web/mobile programming

Tools: GitHub, VS Code, Canva

PUBLICATIONS

- [Computer Science for Kids](#) (Wiley, 2023) - Textbook aligned to CSTA standards for grades 6-8 with lesson plans and LMS integration
- [The Illustrated AWS Cloud](#) (Wiley, 2023) - Illustrated guide covering Cloud Practitioner exam topics

Languages: English (native), French (fluent)

Certifications: AWS Cloud Practitioner

Awards: DevRel Awards for Most Innovative Educational Program: AWS Cloud Clubs; "Team Up for the Win" award, AWS Developer Relations

Memberships: Society of Women Engineers (SWE), Computer Science Teachers Association, Boston JavaScript meetup