

Alexander Lash

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EXPERIENCE

Software Architect, Salesforce; Bellevue, WA - 2018-Present

Product owner / technical leader of Salesforce Workspaces. Built a team that moved a supermajority of development into customized cloud-based Workspaces that meet the unique needs of various clouds. Previous work included designing and implementing a continuous enforcement tool that replaced multi-hour runtime tests with ~10s/build of static analysis.

Part-time Graduate Lecturer, Northeastern University; Seattle, WA – 2018-Present

Lecturing one class of 20-60 graduate students per semester on CS5500 Foundations of Software Engineering. Syllabus includes code review, project management, and formal design.

Software Engineer III, Google; New York, NY and Kirkland, WA – 2013-2018

Founding member of the Frameworks Apple Team (née iOS Developer Infrastructure); responsible for various domains including Swift for TensorFlow, Swift language tooling, iOS releasing/provisioning, iOS internals, and iOS security and identity concerns. Previous projects include Google-wide iOS framework projects and the Google Sheets application.

Software Development Engineer II, Amazon; Seattle, WA – 2011-2013

Member of the Merchant Technology team; completely redesigned merchant middleware platforms while maintaining them. Created various operations visualizers and tools that brought the average on-call load (tickets, pages) down by 90%. Joined the Trade Books team in 2013; developed novel interfaces for book recommendation and discovery.

Software Development Engineer II, Microsoft; Redmond, WA – 2007-2011

Member of the Identity and Access team; designed and implemented a majority of the "cmdlets" for Active Directory PowerShell. Designed and prototyped a new classifier for Active Directory diagnostics capable of significant and fully automated root cause analysis of operational errors. Designed and implemented fully automated deployment systems.

Intern, 3Com; Marlborough, MA – 2006-2007

Member of the Compliance and Verification team; responsible for a ground-up redesign moving from manual to automated verification. Maintained legacy J2EE and Perl applications.

Graduate Intern Technical, Intel; Chandler, AZ – 2006

Member of the Process Flow Integration team; conceived, designed, and implemented a scalable web-based document management and creation system for 10k users worldwide.

Undergraduate Intern Technical, Intel; Hudson, MA – 2005

Member of the Network Processing team; lead a group of interns in developing a 5gbps XML router on an experimental 64-core embedded platform.

EDUCATION

Worcester Polytechnic Institute – Bachelor of Science, Computer Science

Worcester Polytechnic Institute – Master of Science, Computer Science