Subrata K. Sircar
(408) 738-3543
prophet@mac.com

Education

Princeton University, Princeton, New Jersey
Master of Science and Engineering
Massachusetts Institute of Technology, Cambridge, Massachusetts
Bachelor of Science, Avionics
Bachelor of Science, Computer Science

Experience

Clumio, Inc., Santa Clara, California 2021-2023
Member of Technical Staff, August 2021-January 2023
QE Engineer primarily focused on automation and feature testing. Built automation and new
test cases for multiple new product features, using Python, Jenkins and AWS to support
multiple levels of automatic verification for CI/CD. Automation for GC testing allowed us to begin
scheduled garbage collection on AWS storage, saving up to ~50% of AWS storage costs.

Apple, Inc., Cupertino, California 1997-2021
Senior Software Engineer, 2020-2021
Developer for iCloud Content. Built and deployed infrastructure to support CI/CD
with automated deploy/test/rollback functionality, decreasing defect rate by ~25%.
Implemented a generic caching layer to allow transitions between back-end caching systems
without new stack deployments, increasing deployment tempo by ~5%.

Senior QA Engineer, 2011-2020
Primary QA engineer for iCloud Content and iCloud Content GC. Wrote and automated
hundreds of tests around iCloud's handling of content data and the garbage collection
process for unused data, boiling the process down from hundreds of manual tests taking days
to one push-button process, decreasing production deployment time from 10 days to 4 hours.

Senior Software Engineer, 2007-2011
Primary engineer for .Mac/MobileMe authentication, AppleID/DS interaction and MobileMe-iCloud
authentication transition. Implemented authentication/authorization controls which supported both
web authentication, persistent login, separate authorization controls, multiple applications with
per-request verification, digest authentication and security controls to avoid CSRF and XSS attacks.

Senior Software Engineer, 1997-2007
Architected, designed, implemented, debugged, tested and documented 20+ apps,
including parts of the Apple Online Store, MacBuddy/Setup Assistant, and Software Update.

NeXT Software, Inc., Redwood City, California 1994-1997
Senior Software Engineer, 1996
Technical lead and primary architect for Apple's WebCatalog project, the basis for the
Apple Online Store.

Senior SQA Engineer, 1994-1996
Responsible for development, maintenance and administration of NeXT's internal
bug tracking system.

Canon Information Systems, Palo Alto, California
NeXT Project Team Member, January 1992 - February 1994
Wrote scanning applications for IX, CJ10 and CLC300/500 devices, with remote access.

Special Skills and Interests

Python, Java, Objective-C, C, AWS, Jenkins, RESTful APIs, HTML, XML, CSS, SQL, bash, tcsh, Unix, macOS, iOS, Git, Subversion, CVS, Cocoa, Radar, JIRA, XCode, Visual Studio Code, IntelliJ, Kubernetes, Docker.

Fluent in French and Bengali.