

# Abhishek Chaudhuri

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## Work Experience

### **August 2023 – Present | Senior Software Engineer | Prudential Financial, Newark NJ**

- Created a form generator using React and Formik that lets developers dynamically generate 17 forms based on JSON payloads and can be updated automatically to stay compliant
- Fixed bugs & ADA defects in Prudential Stages for Retirement to improve the user experience and make it more accessible
- Developed a React TypeScript app in a monorepo created using Nx, with tests using Jest, styles using SCSS, and component previews using Storybook
- Designed the UI based on Figma designs to be responsive and accessible
- Utilized CI/CD pipelines in Jenkins and CloudBees that run unit & security tests (SonarQube, Checkmarx), build Docker images, and deploy them on an ECS Fargate container in AWS

### **November 2022 – August 2023 | Software Engineer | Prudential Financial, Newark NJ**

- Integrated CI/CD pipelines for 12 mobile apps & frameworks using Jenkins, Fastlane, SonarQube, and Checkmarx that reduced code smells & vulnerabilities and improved testing & deployment times by 50%
- Published 200+ pages of technical documentation on Teams and Confluence with 3500+ views to help improve the developer experience
- Developed 4 starter templates for iOS & Android to help import time-to-market while following best practices for CI/CD automation, Artifactory integration, Dynatrace monitoring, and building for different environments
- Hosted documentation for 2 mobile apps on AWS using CloudFormation, Route 53, ALB, Lambda, and S3
- Earned AWS Cloud Practitioner, Developer Associate, and AWS Solutions Architect Associate certifications

### **July 2021 – November 2022 | Associate Mobile Developer | Prudential Financial, Newark NJ**

- Maintained 7 Android apps and 11 iOS apps used by 1500+ employees to satisfy modern enterprise requirements
- Wrote a Node.js server to authenticate SiteMinder sessions and provide REST APIs to Couchbase for 1700+ customers
- Developed MVVM reference architectures for iOS, Android, and React Native that reduced development time by 20%
- Mentored 7 team members and presented PI planning boards alongside tech leads for mobile development in Agile

## Projects

### **AWS Shop | <https://d23f1hp5lvetow.cloudfront.net>**

- Technologies used:** AWS (CloudFormation, SAM, IAM, CloudFront, S3, API Gateway, Lambda, DynamoDB, EventBridge, SNS, SQS, CodeBuild, CloudWatch, Route 53, Cognito), React, Vite, TypeScript, Tailwind, Material UI, Redux, Python, Bash
- Created a full-stack web app that lets users pretend to shop for AWS services while learning about AWS's free tier offerings
  - Developed the website using React and deployed to S3, using CloudFront to cache static content globally for improved performance
  - Developed serverless APIs using Lambda to read 50+ AWS services from a DynamoDB table
  - Built the infrastructure as code using 5 CloudFormation templates, including 2 SAM templates
  - Automated 3 CI/CD pipelines to unit/security test, build, deploy, and monitor the website, APIs, and CloudFormation templates using CodeBuild and GitHub Actions
  - Wrote [Medium articles](#) explaining how this project was built within AWS's free tier with 1000+ views

## Education

### **Master of Science | Rutgers University – New Brunswick**

- Concentration: Software Engineering

### **Bachelor of Science | Rutgers University – New Brunswick**

- Major: Computer Engineering, Minor: Computer Science
- Graduated Summa Cum Laude