Abhishek Chaudhuri

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Work Experience

April 2024 – Present | Senior Software Engineer – Prudential Advisors Connect | Prudential Financial, Newark NJ

· Developed a web app used by 5K+ financial advisors using a MERN stack and deployed on AWS
· Automated release management from hours to minutes by creating a Claude Code skill and shell script, presented to the wider developer community and received praise from team members and leadership
· Implemented an AI smart chat using WebSockets to allow advisors to ask questions and receive responses in real-time
· Improved performance by 50-75% by monitoring API performance in Splunk, optimizing API calls, and caching data, in collaboration with product owners, tech leads, and solutions architects
· Transferred 38K+ consolidated overviews to LPL Financial via a daily cron job by utilizing S3, Lambda, EventBridge, and DocumentDB, ensuring the process was secure, compliant, and resilient against failures
· Mentored 6 junior developers to help them work more independently, test & document changes, and participate in code reviews

August 2023 – April 2024 | Senior Software Engineer – Stages for Retirement | 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
· Used the form generator to create a 16-page application using Nx, React, TypeScript, Jest, SCSS, and Storybook to recommend insurance policies and connect customers with advisors
· Fixed bugs & ADA defects in Prudential Stages for Retirement to improve the user experience and make it more 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, improved performance by 50%

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
· Created an iOS authentication app using AuthHub that utilized biometrics, SMS/email OTP, and risk evaluation in an OIDC Authorization Code Flow with PKCE
· Developed 4 starter templates for iOS & Android to help improve time-to-market while following best practices for CI/CD automation, Artifactory integration, Dynatrace monitoring, and building for different environments

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

· Migrated 7 mobile apps used by 1500+ employees from MobileIron to Intune to streamline mobile device management across the enterprise

Projects

EZ Recipes | https://ez-recipes-web.onrender.com

Technologies used: TypeScript, Node.js, Express, Jest, Angular, SCSS, Jasmine, Docker, MongoDB, Firebase

· Created an Express server that fetches & transforms recipe data from REST APIs
· Cached 2000+ recipes in MongoDB and integrated full-text search using aggregation pipelines
· Managed accounts through an OIDC flow using Firebase Authentication
· Automated unit testing, security testing, deployments, and dependency updates using CI/CD pipelines in GitHub Actions
· Hosted the OpenAPI docs for the server using Swagger UI
· Wrote Medium articles comparing how this project was built across iOS, Android, and the web

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

Additional

Skills: iOS Development (Swift), Android Development (Java, Kotlin), Web Development (HTML, CSS, JavaScript, TypeScript, React, Node.js), Engineering, Python, Git, Linux, Test Driven Development, Agile, DevSecOps, Jenkins, AWS (S3, Lambda, DocumentDB, EventBridge, SQS, CloudWatch), MongoDB, Accessibility, Problem Solving, Communication, Collaboration, Continuous Learning

Certifications: AWS Cloud Practitioner, AWS Developer Associate, AWS Solutions Architect Associate, AWS DevOps Professional