

# Abhishek Chaudhuri

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## Work Experience

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

- Integrated CI/CD pipelines for 6 mobile apps & frameworks using Jenkins & Fastlane that reduced code smells & vulnerabilities and improved testing & deployment times by 50%
- Published 200+ pages of technical documentation on Teams and Confluence with 1500+ 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

### **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
- Earned AWS Cloud Practitioner & Developer Associate certifications

## Projects

### **EZ Recipes | <https://ez-recipes-web.onrender.com>**

**Technologies used:** TypeScript, Node.js, Express, Angular, SCSS, Docker

- Created an Express server that fetches & transforms recipe data from REST APIs
- Created a responsive and accessible single-page web application in Angular to fetch recipes from the Express server
- Automated unit testing, security testing, deployments, and weekly updates using CI/CD pipelines in GitHub Actions
- Organized the work into multiple stories to make weekly incremental updates, following Agile methodology

### **Portfolio Website | <https://abhiek187.github.io>**

**Technologies used:** React, TypeScript, SCSS, Bootstrap

- Created a single-page, responsive, and accessible website with 5 components using React and TypeScript
- Incorporated Bootstrap, SCSS, and 40+ automated CI/CD tests to improve the design and functionality of the website
- Showcased the top iOS, Android, and web projects with video previews, tools used, and links to run the projects
- Improved performance by 200% by optimizing static content delivery and reducing layout shifts

### **How to Stock | <https://how-to-stock-3.fly.dev>**

**Technologies used:** Django, Python, HTML, CSS, JavaScript, Bootstrap, SQLite, Postgres

- Created a full-stack web application with 10+ pages using Django as the back-end and HTML, CSS, JS, and Bootstrap for the front-end
- Imported a financial REST API to filter stocks, view a company's profile, and display historical stock data
- Predicted stock prices for 1-month and 1-year investments using probability, statistics, and linear regression
- Facilitated users new to the stock market by providing tips and definitions about 20+ financial terms
- Automated deployments to Fly.io by setting up a CI/CD pipeline in GitHub with 30+ unit tests

## 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