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PROFESSIONAL EXPERIENCE

Software Development Engineer	Amazon	August 2021 – Present
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- Part of the Prime Video Engagement Automation team, building microservices responsible for recommending, rendering, and managing Prime Video inbound & outbound communications to customers.
- Led the frontend development for the Prime Video marketing campaign management UI which hosted the real time campaigns sent to **40MM** customers per NFL Thursday Night Football game.
- Analyzed, designed, and built the Prime Video Channels dynamic email and push notification template based on customer subscriptions increasing customer click through rate by **+22 bps**.
- Designed and implemented the Prime Video communications preference center page which resulted in an **18%** email opt-out rate reduction.
- Optimized and operationally maintained the Prime Video widgets on Amazon.com home page which experiences **1 billion** traffic per month.

Teaching Assistant	Rutgers University	September 2019 – May 2021
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- Lead recitation classrooms for the introductory computer science course at Rutgers University – New Brunswick.
- Taught the programming language of Java to multiple classrooms of 18-20 undergraduate students.
- Reinforced knowledge on various concepts such as object-oriented programming, recursion, big O, sorting, loops, etc.
- Communicated with course professors and department staff to plan recitations and develop lesson plans.

TECHNICAL PROJECTS

- **COVID-19 Data & Health Tracker** (2021) – *JavaScript, React.js, Node.js, Express.js, MySQL*
Designed and developed a full-stack web application in an agile environment providing users dealing with COVID-19 services such as displaying virus related data & news, locating testing & vaccination sites, and tracking symptoms.
- **Chess Android Application** (2020) – *Java, Android Studio*
Developed an Android Application to implement the game of Chess for two players with functionalities to support all the rules of the game as well as including features for recording games and game playback.
- **Moviefy** (2020) – *Java, JavaFX, FXML, Scene Builder*
Created a single-user movie cataloging desktop application providing users with features such as rating and listing movies in default or custom-made libraries and browsing movies to view various movie details.
- **'Where's the File' Version Control System** (2020) – *C*
Developed a GitHub-like version control system using C sockets and threads to enable multiple users to work on a single set of source code even in physically separate locations by ensuring all users are working on the same version.
- **Railway Booking System** (2020) – *JavaScript, Java, HTML/CSS, MySQL, AWS*
Designed and implemented a relational database system to support the operations of an online railway booking system allowing users to browse database contents and query for available train schedules for a given date and time.

EDUCATION

Rutgers University	New Brunswick, NJ	September 2017 – May 2021
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- B.S. in Computer Science, graduated *magna cum laude* (GPA: 3.7/4.0)
- Undergraduate Coursework: Software Engineering, Data Structures, Computational Algorithms, Programming Languages, Databases & Information, Systems Programming, Computer Architecture, Internet Technology

SKILLS

- **Languages** – C, Java, JavaScript, HTML/CSS, Python, OCaml, Scala, Scheme, SQL, Typescript
- **Technologies & Concepts** – Agile Methodologies, Android Studio, AWS, Bootstrap, Cloud Computing, Express.js, Git, Handlebar.js, JavaFXJava Spring Boot, JIRA, jQuery, MySQL, Node.js, React, Windows/Linux OS