

366 Spring Valley Road
Paramus NJ 07652
(201) 674-4885

GREG FUERTE

gregorio.fuerte@gmail.com
gfuerte.github.io
github.com/gfuerte
linkedin.com/in/gfuerte

PROFESSIONAL EXPERIENCE

Software Development Engineer	Amazon	August 2021 – Present
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- Part of the Prime Video Engagement Automation team, building services responsible for recommending, rendering, and managing Prime Video inbound & outbound communications to customers.
- Led the fullstack development for the Prime Video campaign management UI, a marketing tool built using React, TypeScript, and Java microservices which hosts campaigns to be sent to 40 million+ customers.
- Designed and implemented the primevideo.com communications preference center page resulting in an 18% customer email opt-out rate reduction.
- Created a new Prime Video dynamic email and push notification template using JavaScript and HandleBar.js which increased customer click through rate.
- Optimized and operationally maintained the Prime Video interactive widgets on the amazon.com homepage serving up to 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

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- **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.
 - **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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- Bachelor of Science 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

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- **Languages** – Java, Scala, JavaScript, Typescript, HTML/CSS, OCaml, Scheme, SQL
 - **Tools** – Java Spring, React, Redux, jQuery, Node.js, Handlebar.js, Bootstrap, MySQL, Git, JIRA, JavaFX, Windows/Linux OS
 - **Cloud Services** – AWS (API Gateway, CDK, CodePipeline, CloudFormation, CloudWatch, DynamoDB, EC2, ECS, Lambda, S3, SNS, SQS)
 - **Concepts** – CI/CD, REST APIs, Agile Methodologies, Microservice architecture, Functional programming, OOP