

# Franklin Jara

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## EXPERIENCE

### Software Engineer

January 2022 – Present

*Cherry Hill Programs*

*Marlton, NJ*

- Architected and developed high-performance web applications using a cutting-edge tech stack including React, GraphQL, Node.js, Next.js, TypeScript, and AWS services (DynamoDB, etc.), resulting in a scalable e-commerce platform that processed over 1 million orders.
- Championed best practices in software engineering, including code reviews, automated testing, and continuous integration/deployment (CI/CD), fostering a culture of quality and innovation within the development team.
- Implemented secure authentication and authorization systems using Auth.js, safeguarding user data and ensuring compliance with industry standards.

### Graduate Teaching Assistant

August 2021 – December 2021

*Adelphi University*

*Garden City, NY*

- Specialize in teaching the fundamentals of programming using Python as an Assistant for the Computer Science Department.
- Develop and deliver engaging lesson plans that cater to different learning styles, providing individualized support to students to ensure their success.
- Foster a positive and inclusive learning environment where students feel supported and empowered to pursue their interests in computer science, with a focus on equipping them with the skills and knowledge needed to thrive in the field.

## EDUCATION

### Adelphi University

Garden City, NY

*Master of Science in Computer Science, Specialization Software Engineering, GPA: 4.0*

*Aug. 2021 – May 2023*

### Farmingdale State College

Farmingdale, NY

*Bachelor of Science in Computer Programming and Information Systems, GPA: 3.7*

*Aug. 2019 – May 2021*

## PROJECTS

### Starlit AI | *NextJS, Drizzle, PostgreSQL, TypeScript, OpenAI, Tailwindcss, Stripe, Cloudflare, Stripe* Starlit AI Demo

- Developed a Next.js-based AI image generation web application with user authentication, database integration, and cloud storage functionality.
- Implemented secure payment processing using Stripe, and user management with Clerk, enhancing the application's e-commerce capabilities.
- Utilized modern web technologies including TypeScript, Tailwind CSS, and Drizzle ORM for efficient database operations and responsive design.

### Patient XStarter | *React Native, Expo, TypeScript, tRPC, Turborepo, Next-Auth*

Patient XStarter Demo

- Developed a full-stack healthcare application using Turborepo, React Native, and Expo, integrating with the Canvas Medical FHIR API to enhance patient care and data management.
- Implemented secure authentication and authorization using NextAuth, ensuring HIPAA compliance and protecting sensitive patient information.
- Leveraged tRPC to create type-safe, efficient API communication between the React Native mobile app and the backend, improving development speed and reducing runtime errors.

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, Java, CSS3, HTML5, GraphQL, Golang, PostgreSQL, MySQL, NOSQL (MongoDB, DynamoDB)

**Frameworks:** React, React Native, Expo, Node.js, NextJS, NestJS, Express, Sass, Scss, Amplify

**Developer Tools:** Git, Docker, Visual Studio Code, Bash, Vim, NPM, YARN, Neovim, Turborepo

**Libraries:** Redux, Redux Toolkit, TypeORM, Prisma, Mongoose, JWT, Apollo-Client, Alexa SDK-Python, tRPC, React-Query, React-Table, Next-Auth, Chakra-UI, Material-UI, Tailwindcss, Azure AD

**Other:** Data Structures, Algorithms, Object Oriented Programming, Functional Programming, Agile, Scrum, NPM, Yarn, MVC, Design Patterns, Software Systems, RESTful, AWS, S3, CloudWatch, Lambda, EC2, Cloudflare, R2, Workers