

# Chirag Khandhar

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## EXPERIENCE

### Software Engineer II

Nov 2022 – Present

*Egen Solutions*

*Chicago, IL*

- Developed an internal POC by leveraging **Google's Gemini Pro** and **PaLM2** LLM models for various use cases like document search, database search, and multimodal retail product search.
- Developed **Estera**, an EHR system for specialty care providers, that streamlines patient care management for informed treatment decisions and enhanced focus on patient well-being.
- Proven ability to identify and solve complex problems in multiple high-value workflows like **Regimens**, **Calendar**, **Schedulers**, **Patient Demographics**, and **Authorization**.
- Successfully implemented a custom solution known as the Rich Text Viewer to address a crucial user experience gap in our existing Rich Text Editor.
- Implemented intrinsic security permissions to support persona-specific features.
- Proficient in conducting thorough code reviews to ensure code quality, adherence to coding standards, and identify opportunities for performance optimization, resulting in improved software reliability and maintainability.
- **Tech Stack:** TypeScript, Angular, Flutter, RxJS, NgRx, Jest, Material, SonarQube, Azure DevOps

### Software Engineer

Jun 2021 – Nov 2022

*Egen Solutions*

*Chicago, IL*

- Developed **Bridgecrest**, a cross-platform payments app, using **Ionic**, to make end-to-end SSL-secured car loan payments for the nation's largest privately-owned car retailer.
- Tech-designed & developed high-value features like **Auto-Pay**, **Payoff Quote**, and **Manage Modifications** to automate and manage payments through bank accounts.
- Developed services to simplify **state management**, **mutation & query operations** using **Apollo - a GraphQL client for Angular**.
- Implemented **feature management** using **Launch Darkly** to create experiments & control features.
- Wrote unit tests in **Jasmine** for 100% code coverage and Integration tests in **Cypress** for automation testing.
- Supported production app in the on-call shifts using tools like **Splunk**, and **Azure App Insights**
- **Tech Stack:** TypeScript, Angular, Capacitor, Ionic, Cypress, Jasmine, Apollo, GraphQL, RxJS, Lodash, Auth0,

### Graduate Research Assistant

January 2021 – May 2021

*Department of Energy, Argonne National Laboratory*

*Chicago, IL*

- Developed a web framework for building a real-time layered map interface that assists power companies to visualize & monitor power-grid infrastructure.
- Utilized **LeafletJS** and **MapboxGL** to render & control multiple tiled layers and **GeoJSON** data points.
- Designed the web framework by translating product requirements from computational scientists.
- **Tech Stack:** JavaScript, **LeafletJS**, **GeoJSON**, **TileMill**, **AWS EC2**, **Docker**, **Figma**, **Python**

### Software Engineer Intern

September 2020 – December 2020

*Script Health*

*Chicago, IL*

- Developed **Scripted**, a web application that enables pharmacists to prescribe common treatments & conditions.
- Developed high-value features like user onboarding, clinical review dashboard, 2-FA, and admin settings panel.
- Developed REST API endpoints and middleware using NodeJS
- Enabled Google **O-Auth** log-in and sign-up experience using **PassportJS**.
- **Tech Stack:** JavaScript, **React**, **React Hooks**, **Redux**, **NodeJS**, **ExpressJS**, MaterialUI, JEST, JIRA

## TECHNICAL SKILLS

**Languages:** TypeScript, Python, Java

**Frameworks:** Angular, Ionic, React, NodeJS, Jasmine, Jest

**Libraries:** Apollo, Lodash, NgRx, RxJS, Redux, MaterialUI, LeafletJS, MapboxGL, ExpressJS, ChartsJS, PassportJS

**Developer Tools:** Git, JIRA, Figma, Postman, Docker, Azure DevOps, Github, Mapbox Studio

## EDUCATION

### Illinois Institute of Technology

Chicago, IL

*Master of Computer Science — GPA: 3.66*

*May 2021*

- Top Courses: Enterprise Web Applications, Mobile Application Development, Geo-spatial Vision and Visualization, Software Systems Architecture, Software Modelling