Chirag Khandhar

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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

EXPERIENCE

Software Engineer II — June 2021 – Present

Egen Solutions — *Chicago, IL*
- Developed a cross-platform payments app, using **Ionic**, to make end-to-end SSL secured payments for a car loan, that processes **$1B** in annual payments.
- 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 and control live app features.
- Leveraged **Apollo Federation** architecture to create a **supergraph** by combining multiple GraphQL APIs.
- 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, SwiperJS, Lodash, Auth0, Launch Darkly, PaymentUs, Azure Devops.

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.
- Product, UX and UI designed the web framework by translating requirements from the computational scientists.
- Tech Stack: JavaScript, LeafletJS, GeoJSON, TileMill, AWS EC2, Docker, Figma, Python.

Software Engineer Intern — September 2020 – December 2020

Scripted Team, Script Health — *Chicago, IL*
- Built a SAAS product, that enables pharmacists to prescribe for common treatments & conditions.
- Designed and implemented clinical review dashboard to render self-assessed forms of 10+ common conditions.
- Developed high value experiences like User On-boarding, Clinical Review, 2-FA and Admin Settings Panel.
- Technologies: JavaScript, **React, React Hooks**, **Redux**, MaterialUI, JEST, JIRA, Bitbucket.

Software Engineer Intern — May 2020 – August 2020

Knobull Inc — *Chicago, IL*
- Built a web app using **Mongo-Express-React-Node** that assists researchers to ask & answer questions.
- Developed UI components, REST API endpoints and middleware with a continuous deployment over Heroku.
- Enabled Google **O-Auth** log-in and sign-up experience using **PassportJS**.

COMMUNITY & LEADERSHIP

Open Source Contributor — June 2021 – Present

Ionic Framework — Egen Solutions — *Chicago , IL*

Creative Head — September 2019 – December 2020

Indian Student Association — Illinois Institute of Technology — *Chicago , IL*

TECHNICAL SKILLS

Languages: TypeScript, Python, Java, SASS
Frameworks: Angular, Ionic, React, NodeJS, Jasmine, Jest
Libraries: Apollo, Lodash, NgRx, RxJS, Redux, MaterialUI, LeafletJS, MapboxGL, ExpressJS, Charts.JS, PassportJS
Developer Tools: Git, Bitbucket, JIRA, TargetProcess, Zeplin, Fork, JsDoc, VS Code, IntelliJ IDEs, Postman, Mapbox Studio