

HEMANTH RACHAPALLI

Software Engineer

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GitHub | **Linkedin** | **LeetCode**

EDUCATION

Lovely Professional University
B.Tech Computer Science
CGPA: 7.7

Phagwara, IN
June 2020 - June 2024

EXPERIENCE

Datopic | Associate Software Engineer

Mohali | March 2024 - Present

Contributed to the creation of Chrome browser extensions, enhancing user experience and functionality .
Collaborated in designing and building the backend architecture for client sides

SKILLS

Programming Languages: Java, Shell Scripting, JavaScript, TypeScript
Libraries/Frameworks: ExpressJS, NodeJS, Socket.io, ReactJS
Tools / Platforms: Docker, AWS/GCP, Git,Redis
Databases: SQL, MongoDB, PostgreSQL

PROJECTS

Chrome Plugin Development

ChromeRules, JavaScript, AWS,Node,Express,MongoDB

- Developed an extension with anti-tracking and ad blocking to improve privacy and browsing experience.
- Contributed to collection of user details and sensitive information for browser fingerprinting .
- Implemented a user preference feature that allows whitelisted URLs to bypass the extension's privacy
- Managed user sessions using Express session management, providing full control at the server.
- Implemented secure log-in functionality, integrated blockchain signing-up, and added (2FA) via email

Monitoring Web Application

JavaScript, Node, Express, Postgres, Sockets, Knex, REST API

- Migrated database from sqlite to postgres and added ORM Support with postgres compatibility .
- Implemented multi-user login and SSO integration, allowing access across this and other in-house apps
- Integrated sockets for the real time monitors data to render at the client side
- Implemented notification system with support for Telegram,Slack of user's monitors activity

Subscription Management Microservice

JavaScript, Node, Express, Postgres, Sequelize, REST API

- Implemented service to handle subscription payments and access control for five applications. .
- Integrated payment gateway Stripe and developed APIs for managing subscription lifecycle
- Automated user onboarding to other in-house applications after payment, sending credentials via email and enabling SSO access.
- Enabled tier-based service access, with assigned features displayed on the user profile dashboard.

HONORS & AWARDS

- Selected to NTSE (Level 2) at Higher School Level
- Data Science badge(DS010EN) in IBM Cognitive learning.