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VIJAY SIMHA REDDY

EMPLOYMENT

Full-Stack Software Engineer	**eGlu Smart Home**	**June 2018 - Present (3 yrs)**

Flow: Built Software for creating and managing b2b users, orders, inventory, service, lead generation, etc.
- Onboarded 120+ dealers & distributors across India onto the flow users system for easier order creation and invoice generation with automated email intimations.
- Developed inventory module for end-to-end tracking of components from the procurement stage to all the way to the finished product. And gives insights on inventory and production capability.
- Developed a service module for handling service requests along with warranty checks and cost estimation.
- Made accounting and payments simpler by integrating with Quickbooks and Razorpay payment links.
- Used node js for backend, MongoDB for database, Angular for frontend, and Redis for caching.

eGlu Console: Designed and Developed a dashboard for monitoring and debugging devices in the field.
- Empowered H/W and F/W teams to check critical logs & device healths in real-time and debug directly from the user interface.
- Implemented Account Analytics and Improved query performance by caching the data at particular intervals rather than querying the database every time.
- Built Service for the support team to perform Device Upgrades, Replacements, Transfers on user requests.
- Used node js for backend, MongoDB for database, Angular for frontend with Nebular UI library, Redis for caching, and protobufjs to read the log files.

Other Implementations & Integrations:
- Added voice actions across the eGlu range of products by Integrating the eGlu backend with Google Assistant and Alexa.
- Built complete Java backend APIs and Android user interface for eGlu Remote Controller and simplified complex remote operations using shortcuts and built a feature to download remotes from the library.
- Generated 20k+ eGlu unique Mac-ids in production by redesigning the eGlu Factory Client along with product sticker generation and integrated it with google sheets API to fetch the latest product data.
- Generated leads for the marketing team by adding the forms on the eGlu website and flow software and integrated them with Zoho CRM.
- Involved & collaborated in large codebases, deployments, and debugging production issues.

Web Developer Intern	**eGlu Smart Home**	**Jan 2018 – May 2018 (5 mos)**

- Developed an invoice generating tool using pdf kit and Acl management tool for managing user profiles to grant or deny access to certain parts of the system in Nodejs. Later both of them became the core foundation for the Flow software.

SOFTWARE PROJECTS (FOR ADDITIONAL INFORMATION AND PROJECTS)

Click to Chat for Whatsapp: Send WhatsApp messages directly using the phone number without saving to contacts. Helps when you want to contact someone temporarily or quickly. (Flutter)

Real-Time Charts using D3: The chart displays the data in real-time by consuming the data from node js backend consisting of express API and socket io instance. (Angular, Nodejs, D3 charts, Socket.IO)

Cool Places: Web application to browse, add and review the interesting places that are worth visiting. (Nodejs, MongoDB, EJS)

EDUCATION

Pilani, RJ	**Birla Institute of Technology and Science**	**Aug 2020 – June 2022**

M.Tech. in Software Engineering (work integrated learning program)

Pilani, RJ	**BK Birla Institute of Engg & Technology**	**Aug 2014 – May 2018**

B.Tech in Computer Science CGPA: 8.10/10.00

LANGUAGES AND TECHNOLOGIES

JavaScript, TypeScript, Java, Python; HTML5, CSS3, Angular, jQuery, Nodejs, Spring, Flutter; MongoDB, Redis;