

# Dharineesh G G *Software Developer*

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## PROFILE

Full Stack Developer with 1 year of experience, currently working as a backend developer, but has experience in full stack projects. Experienced in the basic fundamentals of Linux and Windows and ensures easy integration and deployment on various environments. Strong networking skills that enable good system communication and security. Can develop RESTful APIs and back-end solutions with Node.js and Express.js. Skilled in front-end interface development with React.js with reusable components and React hooks. Strong in database management skills for SQL and NoSQL, and microservices architecture.

## PROFESSIONAL EXPERIENCE

### Backend Developer (Full Stack Role)

2023/10 – present | Udumalpet, India

*HASHh Iot Labs Pvt. Ltd.*

- Experienced Backend developer with 1 year of hands-on expertise in **MERN** stack.
- Built and maintained **RESTful APIs** and implemented **webhooks** with **Node.js** and **Express.js**.
- Utilized caching strategies with **Redis** for enhanced data retrieval speed and system efficiency.
- Designed and implemented scalable UI components in **React.js 18** and **Next.js** with **Typescript** using core modules, React hooks, and React Router for dynamic routing.
- Created reusable, function-based components to support clean and maintainable code.
- API integration with axios, loaders and **error handling** component wise for seamless operation for improvised user experience.
- Led the development of frontend features, ensuring responsive design and seamless user interactions.
- Testing API with tools like **Postman** and **cURL**.
- Managed databases, handling both **SQL (PostgreSQL, MySQL)** and **NoSQL (MongoDB, Redis)** solutions.
- Designed and implemented webhooks for real-time data integration.
- Employed **Docker** and **Docker Compose** for containerization and microservice deployment.
- Installed and updated software packages using package managers like **apt** and **yum**.
- Familiar with **TCP/IP, DNS, DHCP**, and **HTTP/HTTPS** protocols and **OSI model**.
- Automated build and deployment processes through **CI/CD** pipelines.
- Proficient in text editors like **Vim** and **Nano** for efficient code editing and management.
- Managed user accounts, permissions, and file systems. Automated tasks using **shell scripting** and **cron jobs**.
- Set up and configured routers, switches, and firewalls. Managed IP addressing and subnetting.
- Set up **System monitoring** with Grafana, Prometheus, and Loki for system observability.
- Worked between **iot devices** and **software** for effective communication in local and global networks with **mqtt** and **http** protocols.
- Managed **version control** and code collaboration using **Git, GitHub**, and **GitLab**.
- Enhanced security and authentication with **Keycloak** for OAuth 2.0.

## EDUCATION

### B.E - Electrical and Electronics Engineering

2018 – 2022

*VSB Engineering College, Karur*

**CGPA** : 8.5 / 10

## COURSES

### Full Stack Development ( MERN )

Edureka

2022/10 – 2023/03

### Agile Methodology Virtual Experience Program

Cognizant

## TECHNICAL SKILLS

### Programming Languages

JavaScript (Node.js, React.js, next.js), Typescript, Python, Java

### Databases

SQL (PostgreSQL), NoSQL (MongoDB, Redis)

### Linux/Unix

vim, nano, httpd, top, journalctl, yum, apt, cron, tcpdump, df, du, iptables

### Version Control

Git, GitHub, GitLab

### Other

OAuth 2.0 (Keycloak), scheduling, Networking

### Frameworks/Libraries

Express.js, React.js 18, Bootstrap, Tailwind, Flask, MERN stack

### DevOps & Tools

Docker, Docker Compose, CI/CD (GitLab, GitHub Actions), Grafana, Prometheus, Node Exporter, Loki

### Web Development

HTML, CSS, JavaScript, React.js, React & Router hooks, Server side Rendering, next.js, Typescript, Flask.

### APIs

RESTful API development, webhook design, API testing with Postman and cURL.

## PROJECTS

### Zomato Project

MERN stack project with complete frontend, backend and database. Integrated payment gateway with razorpay (order based).

### Command Line Hangman in Python

Dive into Command Line Hangman, created with Object-Oriented Programming in Python. This project is fully interactive within the command line, utilizing core OOP concepts without any additional libraries, providing a straightforward and educational coding experience.

### Daylight Automator

SolarScheduler is a microservice, leveraging the Sunrise-Sunset API, the service dynamically fetches accurate sun event data and utilizes Agenda.js for efficient job scheduling. Once configured, SolarScheduler runs daily without user intervention, ensuring that operations are perfectly aligned with natural daylight cycles.

### Snake with Python

Experience the nostalgia of the classic Snake game of old days mobile experience using this Python project. This game is developed using Tkinter, user interface along with Python Turtle graphics and applies Object-Oriented Programming concepts. This game is still simple but interesting for the end user using the power of Python.

## CERTIFICATES

### Fullstack Developer Certificate

Full stack developer certificate for successful completion of the course and final project by Edureka.

### Certificate of Communication

For the exceptional performance and successful completion of 90 days comprehensive communication module by TALENTIO.