DHIRAJ KUMAR VARMA DOMMARAJU

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EDUCATION

California State University, Chico   Chico, CA
Master of Science, Computer Science   Aug 2023 – May 2025
Relevant coursework: Algorithms & Data Structures, Machine Learning, Web Technology, Artificial Intelligence, Advanced Algorithms and Complexity, Applied Graph Theory, Advanced Object-Oriented Programming.

SKR Engineering College, Anna University   Chennai, India
B.E. in Electronics & Communication   Aug 2015 – May 2019
Relevant coursework: Data Structures and Object-Oriented Programming, Computer Architecture and Organization, Cryptography and Network Security, Computer Networks, Principles of Data Image Processing, Microprocessor and Microcontrollers, Computer Programming.

TECHNICAL SKILLS

1. **Programming**:
   Java, Python, JavaScript, JSP, TypeScript, Junit.
2. **Web Technology**:
   React JS, Vue JS, Express.js, Flask, HTML5, CSS, Bootstrap, AJAX, jQuery, Jest.
3. **Database**:
   MySQL, MongoDB, DynamoDB, BigQuery.
4. **Tools**:
   AWS (EC2, RDS, S3, ECS, IAM, Cognito, Fargate, Lamda, Route53), Docker, GIT, JIRA.

PROFESSIONAL EXPERIENCE

Chargebee Inc,   **Chennai, India**
Senior Software Engineer   Oct. 2019 – July 2023

- Designed and developed APIs & API Integrations for Business operations microservices that handles 250K requests per hour.
- Designed a module for blocking fraudulent user signups by integrating Chargebee with Kickbox API, an email verification tool, that resulted in blocking thousands of disposable or fraudulent emails with an accuracy of 95%.
- Made key contributions to the core team, which is primarily responsible for making the product enterprise ready. Notable features: Addon as a feature, 14-day Trial, Fair billing, Pricify.
- Designed RESTful APIs to facilitate refactoring of a monolith to microservices.
- Actively involved in migrated billing microservice from EC2 instances to ECS Fargate that resulted in saving $60K per month. Wrote terraform templates for clean and seamless migration process.

Guvi Geeks, IIT Madras   **Chennai, India**
Full Stack Developer Intern   June 2019 – Oct. 2019

- Designed & developed Cart Management & Library management web applications using ReactJs, NodeJs, ExpressJs, MongoDB, AWS EC2, AWS Route53.
- Developed an algorithm for suggesting courses based on students' previous enrolled course.

PROJECTS

Project Jarvis – A voice assistant for Chargebee – Centralized place for Chargebee customers to ask questions like "What is the churn rate for this month?" or "List all the customers created in free trial in last two months". Implemented by integrating with Chargebee API.

Meetfiles – Information management for meetings
A one-stop shop for organizing meetings, follow-ups, taking notes, sharing files with attendees and storing information in a hierarchical structure.

RoomMate – A hostel booking application that allows users to pick the dorms with bed and gender preferences. Used ReactJs, ES6 for Front end and the backend with Node.js/Express, REST API, MongoDB. Designed additional pages for Owners & Admins for better user-experience.

ACHIEVEMENTS

- 'Bar Raiser' award at Chargebee for building an app and deploying it in AWS in 3 days.
- 'Curious Cat' award at Chargebee.
- Guvi Hackathon winner from Guvi Geek Networks, IIT Madras Research Park.
- Table Tennis Singles winner from SKR Engineering College.

RESEARCH INTEREST

- Web Applications
- High-Performance Cloud Computing
- Advanced Algorithms & Data structures
- Machine Learning

TEACHING/MENTORING EXPERIENCE

- Teaching Assistant (Grading) for Computer Programming and Data Structures course.
- Teaching Assistant for kids from remote places of India at Jazz Hands NGO.

EXTRA-CURRICULAR/VOLUNTEER/HOBBIES ACTIVITIES/SERVICES

- Event Manager, Treasurer & Social Media Manager for Bollywood Dance Club, CSU Chico
- Designing Head, Rotaract Club of Chennai, Chennai
- Teacher & Mentor, Jazz Hands NGO, Pune