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DEVARANENI KARTHIK

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Experience in Product Development, Strong Back-end Developer in multiple technologies

Targeting Assignments In:

✘ **PRODUCT DEVELOPMENT** ✘ **R&D** ✘

PROFESSIONAL SUMMARY:

- 4 Years of hands on experience working in product services startup (www.sixthblock.com) and Multinational Company **(Chubb Limited)**.
- Experienced in developing small scale to enterprise level applications.
- Experience in developing web applications and RestAPI's using multiple technologies such as NodeJS, Python Django, Laravel, MongoDB, MySQL and Elastic-Search.
- Has a good understanding of Microservices, Rest, MVC architecture' s and their designs using NodeJS, Python Django and Laravel.
- Has good knowledge in Query Languages for APIs like GraphQL.
- Successfully implemented Elastic Search in vobo.ai product.
- Experience working with ELK Stack Products.
- Experience in UI Technologies HTML, JavaScript, CSS, AJAX and jQuery.
- Proficient in using RDBMS and Document DB concepts with MySQL, SQL Server, Mongo DB.
- Have good knowledge on XML, JSON and Web Services.
- Experienced in unit testing the application using Chai and Mocha Js Test tools of Node Js.
- Involved in all SDLC phases like Requirements analysis, Design, Coding, Testing, Debugging, and Documentation.
- Worked in Agile development methodologies such as SCRUM, Extreme Programming.

EDUCATIONAL QUALIFICATION:

Sri Indu College of Engg &Technology - B. Tech   **2011-2015**
Department of Electrical and Electronics with 67.1%.

Sri Chaitanya Junior College,   **2009-2011**
Intermediate: Majored in Mathematics, Physics, and Chemistry with an aggregate of 86.8%.

Vani Secondary school,   **2008-2009**
Secondary School: with Percentage 78.5%.

PROFESSIONAL TRAINING:

NIIT Training Centre Pvt Ltd, Hyderabad (06 Months)
        Completed a certification course in NIIT integrated Course **DigiNxt**, as part of it I have done Java full stack programming, Java Enterprise with DevOps and Web App Development.

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PROFESSIONAL EXPERIENCE:

- **Chubb Limited:** Senior Software Engineer (Dec 2019 – Till Date) Chubb Studio
- **SixthBlock Software Solutions Pvt Ltd:** Software Engineer (July 2017 – Dec 2019)
  www.sixthblock.com / www.vobo.ai

Responsibilities include the following.
- Participated in Design Session, Coding, Testing.
- POC on research tasks assigned.
- Support Post implementation issues.

TECHNICAL SKILLS:

- Operating Systems : Windows.
- Languages : Node Js, Typescript, Python, PHP.
- Web Technologies : HTML, CSS, Bootstrap and jQuery.
- IDE's : PyCharm, Visual Studio.
- Data Base : MYSQL, Microsoft SQL Server, Mongo DB.
- Query Languages : Graph QL

Frameworks:

- Express JS : A Node Js Web/Rest framework for web applications.
- LoopBack (node) : Highly-extensible, open-source Node.js and TypeScript Framework.
- Inversify JS : Light weight inversion of control (IOC) container.
- Django (Python) : High-level Python Web framework.
- Django REST : Powerful and flexible toolkit for building Web APIs.
- Laravel (PHP) : A PHP web application framework.
- Lumen : PHP Microservices framework for building Web APIs.
- Web Essentials : HTML, XML, CSS.
- Testing : Chai and Mocha Js.
- ORM : Mongoose, Sequlize, Eloquent (Laravel).
- Code Repositories: GitHub, Bitbucket.

PROJECT SUMMARY:

Project #1: Chubb Studio (studio.chubb.com)

Chubb Studio is digital insurance in a box it provides multitenant microservices. Chubb Studio platform enables the digital integration for partners by offering multi-tenant RESTful API operations built as microservices which can be easily consumed by partners.

Technologies: NodeJs, TypeScript, MongoDB, LoopBack, Inversify.

Role: Back-end developer (NodeJS, MongoDB).

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Responsibilities:
- As a back-end developer in Chubb Studio platform, I am responsible for building microservices within a proprietary plugin-based framework in Node.js.
- I was instrumental in building the match and merge API parameter resolution which acts as the core to enable multi-tenancy in Chubb Studio.
- I had also helped the team with diagnosing and measuring the performance of the backend microservices using Clinic.js Doctor and load testing tools like autocannon.

Project #2: Vobo.Ai (www.vobo.ai)

Vobo.ai is a Self-Service Voicebot platform enables users to create and manage Voicebots for Alexa and Google Assistant. Vobo.ai enables Individuals and Business entities to reach their audience and customers on voice channels.

Technologies: ReactJS, NodeJs, MongoDB, ElasticSearch, Alexa & Google Assistant.

Role: Back-end developer (NodeJS, Elasticsearch & MongoDB).

Responsibilities:
- As a back-end developer in www.vobo.ai platform, I am responsible for building Rest API's following standard MVC pattern and used Alexa and Google Assistant services to build skills.
- I have built custom Elastic Search Text Analyzer to suit the needs of solution which increased query search rate to min of 70%.
- Integrated automated scripts to feed the data to elastic search cluster.
- I had also helped the team with diagnosing and measuring the performance of the backend application using chai and mocha test frameworks measuring load testing.

Project #3: Custom Survey Tool (US Client)

Custom Survey tool that focus on people's well-being and performance in nine aspects of human life based on the survey questions.

Technologies: ReactJS, NodeJs, MySQL.

Role: Back-end developer (NodeJS, MySQL).

Responsibilities:
- I am responsible for building Rest API's following standard MVC pattern SQL Data Base as data engine and express js as the framework.
- Involved in Information gathering, project maintenance and solution design.
- I had also helped the team with diagnosing and measuring the performance of the backend application using chai and mocha test frameworks and load testing of server.

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Project #4: Online Freight Marketplace (Product Startup)

Startup is a Technology enabled logistics service provider that is working to transform and reinvent the supply chain with technology-backed full-service trucking.

Technologies: Android, Laravel, MySQL.

Role: Back-end developer (Laravel, MySQL).

Responsibilities:
- I am responsible for building Rest API's with Laravel a php framework that was built following model-view-controller architectural pattern.
- Took part in design discussions and project tracking.
- Helped team in writing stored procedures in mysql and integrated unit test scripts to run before deployment using Laravel inbuilt testing framework.

Project #5: Software for Book publishing company

An online Government text books inventory that monitors starting from raw paper purchased to printing of different books for different classes and selling to distributors.

Technologies: Python Django, MySQL.

Role: End to End development.

Responsibilities:

- I am responsible for building Rest API's using Django and MySQL as a data base.
- I was also part of design team initially gathered information and designed Database to the needs of client and maintained the data base by continuous monitoring.
- Played the role of production support by bug fixing and helping team with production issues.
- Built admin dashboard for reporting using mysql smart queries to pull the data from database helped in maintaining mysql views for minimizing the query size and faster retrieval of data.

Project #6: Virtual Classroom (Product startup)

A **virtual classroom** is an online learning environment that allows for live interaction between the tutor and the learners as they are participating in learning activities. In other words, the **virtual classroom** is a shared online space where the learners and the tutor work together simultaneously.

Technologies: Angular Js, Node Js, MySQL and Vidyo.

Role: Back-end developer (Node Js, MySQL).

PERSONAL DETAILS:
- Date of Birth: 29th November 1992.
- Hobbies: Astrophile, Programming, War Documentaries.