

(514) 572 5244
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Arjun Anghan

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EDUCATION

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| Master of Applied Computer Science <i>Concordia University</i> | Sep 2021 - Aug 2023 Montreal, QC |
| Bachelor of Technology in Information Technology <i>Charotar University of Science and Technology</i> | Aug 2016 - May 2020 Anand, Gujarat, India |

SKILLS

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| Languages | Java, TypeScript, JavaScript(ES6+), SQL |
| Web/Frameworks | Spring boot, Node.js, React.js, Express.js, HTML5, CSS3, Tailwind CSS |
| Databases | PostgreSQL, MySQL, MongoDB |
| Cloud Services | Amazon Web Services (AWS), Google Cloud Platform(GCP) |
| Concepts | Object-Oriented Programming, MVC architecture, SOLID Principles, Functional Programming, Agile Development, , Data Structure and Algorithms, Test-Driven Development (TDD), Software Development Life Cycle (SDLC) |
| Other | Jenkins, Linux, JUnit, Redux, Jira, GIT, VS code, Postman |

PROFESSIONAL EXPERIENCE

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| Cygnux Softtech Pvt. Ltd. <i>Software Developer</i> | Surat, Gujarat, India <i>May 2020 - May 2022</i> |
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- Part of a cross-functional team in developing **microservices** using **Spring Boot** for an internal auditing SAAS app, enhancing expense tracking efficiency by 20%.
- Implemented **JDBC** connections with Hikari pool and utilized **JPA** with Spring Data for effective **SQL** database management.
- Improved system efficiency by 30% through the integration of Google Cloud Vision API, automating data extraction from images.
- Developed a user-specific dashboard using **React.js** and **Tailwind CSS**, empowering auditors to perform detailed analyses through interactive graphs and charts using **D3.js**; resulted in a 40% reduction in time spent on manual data analysis.
- Built **Jenkins** Pipelines for the test suites and support in the Release process for the features released in various test and production environments.
- Utilized **JUnit** and **mocking frameworks** for unit testing of controllers, repositories, and services, significantly reducing user-reported bugs.
- Followed **OOPs concepts, design patterns, and SOLID principles** during development, utilized software development tools such as Jira, **CI/CD pipelines** and familiarized working with **Git**, Bitbucket, GitHub, and GitLab.

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| Cygnux Softtech Pvt. Ltd. <i>Software Developer intern</i> | Surat, Gujarat, India <i>May 2018 - Oct 2018</i> |
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- Streamlined to a government project focused on enabling license registration through mobile devices. Collaborated with the Android development team, leveraging **Java** to implement crucial logic and XML for creating intuitive layouts.
- Strengthened the slot booking mechanism within the application by tailoring to the learning driver's experience and knowledge test scores. This optimization led to improved user satisfaction and a 15% increase in bookings.
- Analyzed and implemented the powerful Espresso testing framework for Android, resulting in a remarkable 98% bug-free rating; achieved flawless registration process and enhanced user experience, fostering unwavering user trust and satisfaction.

PROJECTS

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| EqvyPay Java, Spring Boot, PostgreSQL, Hibernate/JPA, Mockito, CI/CD, JUnit, Git, Jira View Project | Jan 2024 - April 2024 |
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- Developed a system to manage and split your spending among your friends, family, roommate or anyone you owe money to.
- Improved agility and adaptability by following SOLID principles, and Test Driven Development (TDD) approaches.
- Employed Hibernate/JPA ORM model to connect the back-end with the MySQL relational database.
- Configured CI/CD pipeline for continuous deployment of the project on the Heroku server and utilized Gitlab for version control.

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| MedicoGraph ReactJS, NodeJS, ExpressJS, React-Bootstrap, Redux, AWS, MongoDB View Project | Jan 2023 - May 2023 |
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- Engineered a microservice architecture approach to build and deploy a robust database and system architecture for a medical history storage project, ensuring good performance; reduced data retrieval time by 15% and improved scalability.
- Directed the backend infrastructure using Node.js and Express.js, leveraging RESTful APIs to handle data management, state-management, enable seamless user interactions, and ensure high-performance functionality.
- Designed the frontend using React.js and React Bootstrap to develop a user-friendly interface for doctors, enabling seamless access and analysis of patient medical records, including family history for hereditary disease diagnosis.
- Executed the seamless implementation of an advanced testing framework utilizing Jest, orchestrating over 50 crafted unit test cases. Resulted in a remarkable 30% reduction in bug resolution time, ensuring superior system reliability and functionality.

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Eventify | ReactJS, AWS, Python, Cloud Formation, SQL | [View Project](#)

Jan 2022 - May 2022

- Created an event management product catering to both event organizers and attendees, leveraging AWS services for robust infrastructure and scalability.
- Implemented AWS CloudFormation templates for seamless deployment of the web application, ensuring efficient resource provisioning and management.
- Leveraged a range of AWS services including Elastic Beanstalk with Docker, Cognito, Lambda, API Gateway, VPC, SNS, DynamoDB, S3, and CloudWatch to create a comprehensive and resilient event management solution.
- Enabled secure authentication and authorization processes, real-time event updates, and seamless data storage and retrieval using AWS services, enhancing the overall event experience for both organizers and attendees.

Distributed System using Apache HBase | GCP, HBase system | [View Project](#)

Sep 2021 - Dec 2021

- Spearheaded the implementation and optimization of a distributed HBase system, resulting in a 15% reduction in data retrieval time while enhancing fault tolerance, replication, and scalability in a high-performance data-driven environment.
- Orchestrated HBase system deployment on Google Cloud Platform, streamlining data management and enhancing system performance.
- Devised and executed efficient data retrieval and updating operations in HBase system using HBase shell, achieving a 30% increase in data retrieval speed and increased overall system efficiency.