Abishek Kumar

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LinkedIn
linkedin.com/in/abishek362

GitHub
github.com/Abishek-GH

Personal Portfolio
abishek-gh.github.io/Portfolio/

Skills

Languages

- JavaScript
- TypeScript
- Python
- C

Databases

- Oracle
- MySQL
- MongoDB
- PostgreSQL

Frameworks/Libraries

- Express JS
- Mongoose
- Playwright
- Axios
- Morgan
- Parcel Bundler

Web Technologies

- HTML
- CSS
- Pug
- jQuery
- REST API
- DOM Manipulation

Version Control

- Git
- GitHub

Could Platforms

- AWS
- Heroku

About Me

Aspiring Backend Developer proficient in Node.js, Express.js, and Python, with strong knowledge of developing robust, scalable backend systems. With a solid understanding of SQL, PostgreSQL, and MongoDB, I specialize in creating efficient RESTful APIs and handling complex data operations. My skill set includes server-side rendering with Pug, implementing advanced MongoDB features, and utilizing the MVC architecture. Committed to following software engineering best practices and delivering high-quality solutions, I excel at building secure, reliable, and maintainable backend services. Eager to bring my expertise in backend development and data management to innovative projects

Professional Experience

Associate Software Engineer at CareMonitor

Sydney, Australia   **May 2023 - Present**

- **Focus Area: Database Developer**

  Skills: PostgreSQL, MS Excel
  - Wrote complex queries in PostgreSQL to extract data for Data Migration activities and prepared DB Schema
  - Created ER Relationship mappings.
  - Successfully migrated 5000+ assessments and 43,000+ Clinical Metrics of patients existing in the production environment without any issues/rollback.

- **Focus Area: Backend Developer**

  Skills: Node.js, REST API, Postman
  - Created migration scripts using Node.js and TypeScript.
  - Developed the end-to-end API workflow as per requirements.
  - Understood RESTful API and MVC architecture.
  - Performed API testing using Postman.

- **Focus Area: Automation Tester**

  Skills: Typescript, Playwright, Node.js, AWS EC2
  - Developed automation scripts for complex DOM elements using TypeScript, Playwright, and Node.js.
  - Handled API calls and UI interactions.
  - Integrated automation scripts into the CI/CD pipeline on AWS EC2, reducing the chances of breaking during deployment.
  - Reduced manual testing efforts by 58%.

- **Miscellaneous Responsibilities**

  Skills: Data Organization, Business Analysis, Manual Testing
  - Organized data and prepared raw data for various activities.
  - Managed client calls, created reports.
  - Conducted manual testing as a QA Engineer.

Internship at A.S Electrical Works   **May 2023 - July 2023**

Internship at Andhra Pradesh Central Power Distribution Company Limited   **Nov 2019 - May 2020**

Completed PLC Workshop in Siemens   **Sep 2019**

Education

Bachelor Of Technology

Bapatla Engineering College, Bapatla
2020-2023 | CGPA 8.01
Electrical & Electronics Engineering (EEE)

State Board of Technical Education & Training, Andhra Pradesh

Government Polytechnic Vijayawada
2017-2020 | Percentage 72.68%
Electrical and Electronics Engineering (EEE)

Board of Secondary Education, Andhra Pradesh

Narayana EM High School
2016-17 | CGPA 9.7

Certifications/Achievements

- Node.js, Express, MongoDB & More: The Complete Bootcamp certification by Udemy
- Python Basic certification by Hacker Rank
- Introduction to Structured Query Language (SQL) certification by Coursera
- C for Everyone: Programming Fundamentals vertification by Coursera
- DSA Nano Degree Course by PrepInsta
- DBMS Nano Degree Course by PrepInsta
- Master Data Management for Beginners certification by TCS ION
- Communication Skills certification by TCS ION

Extra Curricular Activities

- Accenture Data Analytics and Visualization Virtual Experience, By Forage
- Cognizant Agile Methodology Virtual Experience Program, By Forage
- NDT Workshop at National Level Student Technical Symposium RIPPLE-2K21
- Completed a training on Soft Computing Techniques in Electrical Systems

Languages Known

- English
- Hindi (Mother Tongue)
- Telugu

Projects

- **Natours Web Application - Project Link: Click Here**

  Description: Developed a full-stack application covering Node.js, Express, MongoDB, Mongoose, Pug, and various libraries. It features a complete API and server-side rendered website with advanced functionalities like filtering, sorting, and pagination. Integrated with Sendgrid and Mailtrap for email sending and Stripe for payment processing. Implemented security measures against DDOS, XSS, and brute force attacks. Deployed on Heroku with GitHub integration.
  Key Features:
  - Backend Development: Built with Node.js, Express, MongoDB, and Mongoose, covering CRUD operations and advanced data modeling. Utilized multer library for image processing.
  - Authentication and Authorization: Includes JWT-based authentication, password reset, and user role management.
  - Security: Implemented encryption, sanitization, rate limiting, and other security best practices.
  - Payment Integration: Integrated credit card payments using Stripe.
  - Server-Side Rendering: Utilized Pug templates for server-side website rendering.
  - Deployment: Deployed the application to production using Heroku with Git integration.
  - Utilized MVC (Model-View-Controller) architecture for structured development.
  - Implemented advanced MongoDB operations including geospatial queries, aggregation pipeline, and operators.
  - Implemented image processing capabilities using the multer library for efficient handling of image uploads.

- **Portfolio Website - Project Link: Click Here**

  Description: A responsive portfolio website showcasing skills, projects, and contact information. It allows users to download the resume and provides links to projects and contact details. The design is inspired by a YouTube creator with personalized modifications.
  Skills/Languages Used: JavaScript, HTML, CSS, DOM Manipulation

- **Live Weather Website - Project Link: Click Here**

  Description: This website displays live weather details of specified locations using the OpenWeatherMap API. It includes features like temperature, wind speed, humidity, and current climate description. Additionally, it can detect the user's current location with permission.
  Skills/Languages Used: JavaScript, HTML, CSS, DOM Manipulation

- **Wireless Charging Stations For Electric Vehicles**

  Description: Implemented during B.Tech, this project addresses fast-charging infrastructure for electric vehicles using solar energy. It includes solar panels, a lead-acid battery, and a transformer for AC conversion, managed by an Atmega microcontroller for voltage monitoring.
  Technologies: Solar Energy, Wireless Charging, Lead-Acid Battery, Atmega Microcontroller