

# ABDUL VAHAB

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## WORK EXPERIENCE

### Estro Tech Robotics and Innovations Pvt. Ltd.

Junior Software Engineer

Aug 2023 – Aug 2024

- Developed and optimized the backend infrastructure using **Node.js**, **Express.js**, **TypeScript**, and **MongoDB**.
- Automated testing with **Playwright** and **Jest**, resulting in a 90% improvement in test coverage.
- Managed **AWS Lambda**-based serverless architecture, enhancing scalability and reducing costs by 30%.

### Brototype

MERN Full Stack Developer

Jul 2022 – Aug 2023

- Developed and maintained web applications using **React.js** and **Express.js** enhancing performance by 20%.
- Designed and implemented **RESTful APIs** to enhance data accessibility, efficiency, and application functionality.
- Optimized **MongoDB** and **PostgreSQL** databases, reducing query execution times by 25%.

## EDUCATION

Calicut University, Bachelor of Arts, Political Science

Oct 2023 - Present

National Institute of Open Schooling (NIOS), Plus Two Humanities

Jun 2014 – Mar 2015

## PROJECT

### DevConnect – Social Media Platform

[GitHub Repo](#)

- Developed a feature-rich platform supporting connections, posts, comments, replies, and **S3 bucket** for uploads.
- Implemented admin tools for managing users, reported posts, search, sort, filter, and export options (PDF/CSV).
- Secured the platform with **JWT authentication** for strong user protection.

### BossBabyStore – E-Commerce Solution

[GitHub Repo](#)

- Built a scalable e-commerce site with **React.js**, **Node.js**, **Express.js** and **MongoDB**.
- Integrated secure payment processing and **user authentication mechanisms**.
- Optimized database queries, reducing page load time by 40%.

### Ticket Management System API

[GitHub Repo](#)

- Designed APIs using **Node.js**, **TypeScript**, and **PostgreSQL** with 95% core feature coverage.
- Secured with JWT authentication, reducing unauthorized access by 90%.
- Enhanced protection with optimized **CORS** and security best practices, boosting safety by 85%.

### Backend Project Management

[GitHub Repo](#)

- Created a REST API with **Node.js**, **Express.js**, **Sequelize ORM**, and **PostgreSQL**, for secure operations.
- Authentication with bcrypt and managed environment variables using dotenv.
- Enhanced reliability with robust error handling and data validation, reducing errors by 75%.

## SKILLS

- Frontend:** HTML, CSS, JavaScript, React.js, Vite, Bootstrap, Tailwind, Next.js, Socket.IO, JWT, jQuery, Redux.
- Backend:** Node.js, Express.js, Typescript, Swagger, MongoDB, PostgreSQL, S3 Bucket, RESTful API Design.
- Tools:** Git, CI/CD pipelines, AWS (Lambda, API Gateway, EC2), Nginx, Postman, Playwright, Jest, Figma, Data Structure and Algorithms.

## CERTIFICATION

- Certified Ethical Hacker (CEH) v11 – EC-Council (Issued: 6 Nov 2021)