

# BURHANU SULTAN RAMADAN

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## SUMMARY

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Computer Science graduate and Certified Full Stack Developer from Eduwork, with hands-on experience at PT Baracipta Esa Engineering. Proficient in Node.js, React, Express, and MongoDB, with a focus on delivering scalable and user-centric web applications. Recognized for solving complex problems, fostering collaboration, and transforming innovative concepts into efficient digital solutions. Demonstrates a proactive approach and attention to detail, with a strong interest in emerging technologies and driving advancements in web development.

## WORK EXPERIENCE

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### EDUWORK

Online

*Full Stack Developer - Internship*

*Aug 2024 – Nov 2024*

- Designed and developed RESTful APIs using Express.js, enabling robust and efficient backend operations.
- Developed and maintained a full-featured POS system application, enabling seamless user interactions by integrating RESTful APIs, JWT authentication, and cloud-based databases.
- Developed three web projects within just 2 weeks and met all functional requirements, by applying Agile development principles.
- Created dynamic, user-friendly web interfaces with React.js, focusing on responsiveness and modern design principles.
- Built full-stack applications utilizing the MERN stack (MongoDB, Express, React, Node.js), ensuring seamless integration between backend and frontend.
- Conducted unit testing and debugging to ensure reliability and maintainability of applications.

### KELURAHAN GILANGHARJO

Yogyakarta

*IT Support - Freelance*

*Mar 2023 – Sep 2024*

- Designed and implemented a backend system for an administration service website using CodeIgniter, significantly improving the efficiency of administrative workflows.
- Maintained and optimized existing software systems to enhance performance, resolve bugs, and ensure seamless user experiences.
- Conducted routine backups of critical data, ensuring data integrity and disaster recovery readiness.
- Collaborated closely with sub-district officers to conceptualize and develop a new web feature, tailoring solutions to meet the unique needs of local government operations.
- Integrated user feedback to improve system usability, resulting in a 25% increase in user satisfaction and engagement.

## **PT BARACIPTA ESA ENGINEERING**

*Full Stack Developer - Internship*

**Yogyakarta**

*Aug 2022 – Dec 2022*

- Built a comprehensive monolithic web application using CodeIgniter, ensuring high performance and scalability.
- Collaborated in the design and creation of Entity-Relationship Diagrams (ERD) to align with the specifications and requirements of the web application.
- Designed and implemented a RESTful API using CodeIgniter, seamlessly integrated with a MySQL database to enhance system efficiency and data management.
- Developed and maintained API documentation using Postman, leading to a 20% improvement in developer productivity by streamlining onboarding and collaboration.

## **CERTIFICATION & BOOTCAMP**

### **EDUWORK**

**Online**

*Programmer Full Stack MERN*

*Aug 2024 – Nov 2024*

- Completed courses in ExpressJS, ReactJS (Javascript Framework) within three months.
- Learned to design and build RESTful API to enable scalable and robust backend operations, using Express.js and Node.js in one week.
- Implemented CRUD operations and user authentication, enhancing application security and functionality by 80% using technologies like JWT and bcrypt.
- Worked with Git and GitHub for version control and collaboration, adhering to clean code and Agile development practices.
- Gained in-depth knowledge of database design and management to optimize data handling and improve application performance using MongoDB.

### **UDEMY**

**Online**

*Node.js, Express, MongoDB & More: The Complete Bootcamp*

*Jun 2024 – Jul 2024*

- Developed high-performance Node.js applications using event-driven architecture and asynchronous programming to handle real-time data processing.
- Built scalable and efficient RESTful APIs with Express.js, implementing advanced features like filtering, sorting, and pagination.
- Managed complex data queries and integrated NoSQL databases into full-stack applications with MongoDB and Mongoose.
- Implemented advanced security features, including bcrypt for password hashing and JWT for token-based authentication.
- Optimized user experience by implementing server-side rendering with Pug templates to generate dynamic HTML content.

## UDEMY

Online

*The Complete 2024 Web Development Bootcamp*

*May 2024 – Jun 2024*

- Developed web applications from scratch, incorporating both frontend and backend development techniques using HTML, CSS, JavaScript, React, Node.js, and PostgreSQL.
- Gained hands-on experience with Node.js, Express, and PostgreSQL for backend development, enabling the creation of dynamic, secure, and scalable web applications.
- Developed responsive, interactive websites with React.js, utilizing React Hooks and API integration to create fast, user-friendly front-end interfaces.
- Built decentralized applications (DApps) and implemented Web3 and blockchain technologies to explore blockchain development and create decentralized applications.
- Implemented version control and deployed projects using Git, GitHub, and GitHub Pages to manage collaboration and ensure seamless deployment.

## EDUCATION

**AHMAD DAHLAN UNIVERSITY**

**Yogyakarta**

*Bachelor Degree (S-1) - Informatics*

*Aug 2019 – Aug 2023*

GPA: 3.79 / 4.00

- Acquired in-depth knowledge of Web Development, Data Structures, and Optimization Techniques.
- Create a website that generates computer specification recommendations based on consumer budgets using binary particle swarm optimization algorithms.
- Proficient in web development using modern technologies and frameworks, with a deep understanding of backend and frontend design, and database management.

## SKILLS, INTERESTS, & LANGUAGES

**Technical Skills :** Node.js | Express.js | React.js | Vue.js | PHP | Laravel | CodeIgniter | jQuery | Bootstrap | TailwindCSS | MongoDB | MySQL | PostgreSQL | RESTful API Development | Git/Github |

**Soft Skills :** Problem Solving | Time Management | Troubleshooting | Teamwork | Communication

**Interests:** Web Development | Software Development | Full Stack Developer | Backend Developer

**Language :** Bahasa Indonesia (Native) | English (Intermediate)

## PROJECTS

**POS System**

*Oct 2024 - Nov 2024*

**Details :** A web-based point of sale (POS) system for managing sales and inventory.

**Tools :** MongoDB, Express Js, React Js, Node Js, TailwindCSS, Vercel

**Link :** <https://github.com/burhanusr/mern-pos-system>

**Demo :** <https://mern-pos-system-frontend.vercel.app>

**Natours***Jun 2024 - Jul 2024*

Details : Online tour booking web app

Tools : MongoDB, Express Js, Pug, Node Js, Midtrans, Vercel

Link : <https://github.com/burhanusr/natours>

Demo : <https://natours-three-rho.vercel.app>

**e-Gilang***Mar 2023 - Jun 2023*

Details : Administration service website

Tools : PHP, CodeIgniter, Bootstrap

Demo : <https://egilang.gilangharjo.id>

**Stufast Learning Center***Aug 2022 - Dec 2022*

Details : Online learning and teaching marketplace

Tools : PHP, CodeIgniter, MySQL, Bootstrap

Demo : <https://stufast.id/>

**REFERENCE**

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Name : Muhammad Zakuan

Company : Eduwork

Position : Mentor - Programmer Full Stack MERN

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