

Ryan Noval Pratama

Software Engineer

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Hello! I am Ryan Noval Pratama, commonly referred to as Ryan. I am a **Software Engineer** with over two years of experience in the industry specializing in **Web Development**. I have been studying and practicing software engineering **since 2018** and **currently working as an Backend Developer**. I am looking forward to further advance my expertise and experience in the field of Software Engineering.

Work Experience

Back-end Developer – Intern to Full-time

PT. Sekawan Media Pratika.

(Hybrid) July 2023 – Present

Projects: PetaniINK, SMS CROPS, Digital Controlling and Reporting, Quality Optimization Control, ThiNK Hub.

- Collaborated with production manager for 2 company's internal research project, and present the research results.
- Work with 2-3 developers across 4 functional teams for 4 different projects resulting in 90% success rate based on project maintainability and development success.
- Develop backend apps using Laravel, and CodeIgniter 3 on a maintenance project and 3 start to end development projects.

Engineer Lead - Full-time

PT. Sekawan Media Informatika.

(Hybrid) February 2024 – December 2024.

Projects: Digital Controlling and Reporting (DCR), ThiNK Hub.

- Analyze tech stack, create code guideline, develop DCR, and ThiNK Hub web app using Agile SCRUM method, built on Laravel, JQuery, MySQL, and RabbitMQ.
- Collaborate with UI/UX, System Analyst, Project Manager to determine development timeline and assist client meetings.
- Conduct daily briefing, lead, manage, and review team's performance in developing ThiNK Hub, DCR in a team that consisted of 4 developers.
- Mentored 4 full-stack and back-end developer interns that varies from zero or basic knowledge resulting in 80% rate of success based on intern's ability to develop web applications in their respective specialization.

Software Engineer & IT Trainer - Intern/Part-time

PT. Universal Big Data

(Onsite) April 2022 - January 2023

Projects: Qurani.IO, Blockchain Research.

- Leading the development of Qurani.IO, in a team that consisted of 8 people, resulting in 50% success rate based on projects completion.
 - Involved in a company research project in effort to develop a blockchain network resulting in 80% result based on project's completion and research success.
 - Trained 50+ people on 2 separate training conducted by company and mentored 7 people, resulting in 75% success rate based on overall trainee and mentee's understanding over given subject.
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Project Experience

Mitramapay.id(2024)

Mitrama Payment – Full Cycle Development

Role: Full-stack Developer

Stack: Next.js, Tailwind

- Develop a landing page using Next.js
- SEO Optimization and google analytics integration.

Digital Controlling and Reporting (2024)

PT. Twintech Precision – Full Cycle Development

Role: Engineer Lead / Full-stack Developer

Stack: Laravel, JQuery, Bootstrap, MySQL

- Develop 5 features including project setup using PHP Laravel.
- Review and assess team member's code.
- Assist DevOps team during deployments.
- Plan Server Hardware requirements for the app.

Quality Optimization Control (2024)

PT. OMRON Manufacturing of Indonesia – Full Cycle Development

Role: Full-stack Developer

Stack: Laravel, JQuery, Bootstrap, Microsoft SQL Server

- Collaborate with 4 other developers.
- Develop an interactive dashboard with 10 widgets and functionalities.
- Optimize database query function to handle 6 real-time charts.
- Set up the project for development.

E-Rapor SMP (2024)

Personal Freelance – Full Cycle Development

Role: Full-stack Developer

Stack: Codeigniter 4, JQuery, Bootstrap, MySQL

- Develop the app's main feature.
- Develop an app based on the client's requirement.
- Collaborate with other developers.

E-KRS (2024)

Personal Freelance – Full Cycle Development

Role: Full-stack Developer

Stack: Laravel, JQuery, Bootstrap, MySQL

- Develop the app's minor feature.
- Collaborate with professors to determine app requirements.
- Develop a recommendation mechanism based on user inputs.

Hospital ERP (2024)

Personal Freelance – Full Cycle Development

Role: Full-stack Developer

Stack: Codeigniter 4, JQuery, Bootstrap, MySQL

- Develop the app's main feature.
- Develop document upload and export mechanism.
- Collaborate with other developers.

ThinNK Hub (2024)

PT. Syngenta Seed Indonesia – Improvement & Maintenance

Role: Engineer Lead & Full-stack Developer

Stack: Codeigniter 3, Cordova, JQuery, Bootstrap, MySQL

- Develop dynamic data structure to database level, using SQL-based RDBMS.
- Develop all 10 data analytics and overview features such as sales, growth, etc.
- Develop the app's standard UI principle using the Bootstrap UI framework.

SMSCROPS (2023/2024)

PT. Syngenta Seed Indonesia – Improvement & Maintenance

Role: Full-stack web developer

Stack: Codeigniter 3, Redis, RabbitMQ, JQuery, MySQL

- Develop and analyze payment module, manage primary accounting procedures.
- Develop Excel/CSV Import and Exports, including data validation and failure notice.
- Implement RabbitMQ to improve resource-demanding operations and Portainer to track and monitor the production server status.
- Enhance functionality through bug fixes and issues.

PetaniNK (2023)

PT. Syngenta Seed Indonesia – Improvement

Role: Full-stack developer

Stack: Codeigniter 3, RabbitMQ, JQuery, MySQL

- Create user complaint and feedback feature using Codeigniter 3
- Use RabbitMQ to handle resource-demanding operations.
- Integrate the app with third-party libraries to send Whatsapp messages.

QURANI.IO (2022)

PT. Universal Big Data – Full Cycle Development

Role: Full-stack developer

Stack: ASP.NET, Bootstrap, JQuery, MySQL

- Analyze project requirement based on given study case to determine project features.
- Develop course-based learning features (student reports, subject document uploads, etc)
- Integrate app with Zoom Meetings, Facebook, and Google Authentication
- Collaborated with Company Director to determine project flow and timeline

UBIG's Blockchain Research (2022)

PT. Universal Big Data – Full Cycle Development

Role: Full-stack developer

Stack: ASP.NET, GRPC, MongoDB

- Analyze project requirement based on existing blockchain networks.
- Develop a fully functional Blockchain network using the PoW (Proof of Work) consensus system.
- Create experimental cryptocurrency to be integrated with the blockchain network.
- Develop a console-based cryptocurrency wallet.
- Develop a system to handle smart contracts.

Withered Lands (2021)

Personal – Full Cycle Development

Role: Game Developer

Stack: Unity, C#

- Created games using Unity C#, designed and implement the core game mechanism, develop 5+ features, implement Tilemap.
- Design and implement the core game mechanism.

A* Pathfinding (2021)

Personal – Full Cycle Development

Role: Developer

Stack: C#, Unity Engine

- Analyze and implement A* pathfinding algorithm on 2D space.
- Implement path preference for the algorithm.
- Implement a hashmap to improve the overall performance.

Educations

Formal educations

- **Institut Teknologi & Bisnis ASIA Malang** - Computer Science (Hybrid. 2024 - now)
- **SMK Brantas Karangates** - Software Engineering (onsite. 2020 - 2023)

Courses and Training

- **Sololearn** - Java, Javascript, HTML, CSS Development (2021)
- **FreeCodecamp** - Flutter Development (2021)
- **Codecademy** - C#, Javascript Training (2021)

Skills

Web Development

- Back-end Technologies: ASP. NET, Laravel, Codeigniter, ExpressJS
- Front-end Technologies: Tailwind, Bootstrap, React
- Message Broker: RabbitMQ, Firebase
- Project Management: Notion, Git
- RDBMS: MySQL, MsSQL, MariaDB, PostgreSQL, MongoDB.

Programming Languages

- Server Side - C#, PHP, Typescript/Javascript (on NodeJS).
- Client Side - Typescript, Javascript, CSS, HTML.

Soft Skills: Team Leading, Teamwork, Communication

Languages: Indonesian (Native), English (Intermediate)

Awards & Certificates

- **Rookie of The Year** (2023) - PT. Sekawan Media Informatika
Showing eager growth and progress as a newly joined employee.
- **Software Engineer** (2023) - BNSP (Badan Nasional Sertifikasi Profesi)
Passed the certification test provided by BNSP.
- **IT Trainer** (2022) - PT. Universal Big Data & One Pesantren One Product
Participated as a trainer in "Bootcamp Santri Coding".
- **C#, Java, Javascript** (2021) - Sololearn.