

# Pham Minh Hieu

Hanoi Capital Region • hieuphm03@gmail.com • (+84) 365 280 358 • [linkedin.com/in/phieu](https://www.linkedin.com/in/phieu)  
[github.com/PhamH1eu](https://github.com/PhamH1eu)

Detail-oriented Backend Engineer with a passion for crafting elegant and efficient web solutions. Proficient in Java, Node.js, and ReactJS, with experience in delivering cloud-based projects. Eager to contribute to innovative projects and learn new skills.

## WORK EXPERIENCE

<b>Fullstack Developer</b> <b>CMC Global Company Limited.</b> <b>Technologies:</b> ReactJS, NodeJS, AWS services with Lambda Function, Step Functions, Amplify, Cognito. <b>Description:</b> Developed and maintained a scalable franchise user management system, leveraging serverless architecture to ensure high availability and cost-efficiency. <ul style="list-style-type: none"><li>Upgraded the Amplify framework version in frontend application to ensure compatibility, improve performance, and adopt new features.</li><li>Implemented query result caching, reducing loading times and network usage while enhancing user experience; utilized Zustand for efficient global state management.</li><li>Integrated two-factor authentication (2FA) using AWS Cognito and custom Lambda functions, improving application security with a seamless user authentication and authorization flow.</li></ul>	<b>Apr 2024 - Present</b> <b>Hà Nội, Việt Nam</b>
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## EDUCATION

<b>Bachelor's degree in Information Technology</b> VNU University of Engineering and Technology	<b>Sep 2021 - Dec 2024</b> <b>GPA: 3.45</b>
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## LANGUAGES

**English** (Professional working proficiency)



## AWARDS

<b>2nd prize in provincial competition for gifted students in Math by Ministry of Education and Training</b>	<b>Dec 2019</b>
<b>3rd prize in provincial competition for gifted students in English by Ministry of Education and Training</b>	<b>Dec 2018</b>

## SKILLS

**Languages:** Java, Javascript, Python  
**Cloud Platforms:** AWS, Google Cloud Platform  
**Databases:** Redis, PostgreSQL, DynamoDB, Firestore

## PROJECTS

<b>Book System</b>  <ul style="list-style-type: none"><li>Designed and implemented backend system for managing books and authors with full-text search and caching functionalities. The system includes Oauth2 token authorization, book operations with search and author management.</li><li>Redis is used to cache logged out user's token, improving performance for authorization status.</li><li>The system is containerized using Docker and orchestrated with Docker Compose.</li></ul>	<b>Feb 2025 - Apr 2025</b>
<b>HobShare</b>  <ul style="list-style-type: none"><li>Developed a full-featured social networking platform as an university graduation thesis, focusing on scalable, real-time communication and interest-based user interaction associated with Google Cloud Platform services.</li><li>The system is designed using a serverless and event-driven architecture, leveraging Firebase for backend services and Neo4j for graph-based relationship management.</li><li>Built a personalized recommendation system using Algolia for full-text search, GeminiAI and Google Cloud Vision for content analysis, and Neo4j for modeling user relationships.</li></ul>	<b>Jul 2024 - Oct 2024</b>