

# Bao Van, Nguyen

Master of Computer Science | Software Engineer | AWS Certified | (+61) 494 149 271 | [vannb.fu@gmail.com](mailto:vannb.fu@gmail.com)

## WORK EXPERIENCE

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- ❖ **Academic Tutor/Lab Demonstrator | University of Wollongong, Australia** Mar 2025 – Now
  - Deliver demonstrations and guidance for classes of 2 subjects: Fundamental Programming with Python and Introduction to Web Technology.
  - Provide hands-on support, fostering problem-solving independent learning.
  - Mark assignments and provided constructive feedback, ensuring fair evaluation.
- ❖ **Software Engineer, Backend | Pigeonlab Pte Ltd, Singapore** Aug 2021 – July 2023
  - Event-organizing platform, enabling audience interactions for large events, meetings, and webinars.*
  - Tech focus: NodeJS, Go, MySQL, Redis, RabbitMQ, WebSocket, Docker, Chai, Mocha**
  - Followed Agile practices in software design, architecture, deployment and code reviews.
  - Transformed legacy, monolithic NodeJS service into a scalable event-driven architecture.
  - Designed, developed RESTful APIs and backend services supporting high-concurrency event interactions.
  - Conducted database migrations, designed new data models, and optimized SQL queries for performance.
- ❖ **Full-stack Developer | Fetch Technology (Client: Tokenize Exchange)** Oct 2018 – Jun 2021
  - Cryptocurrency exchange platform in Singapore & Malaysia.*
  - Tech focus: NodeJS, Angular, Express, TypeScript, WebSocket, Redis, AWS, MySQL**
  - Developed full-stack features for a live cryptocurrency exchange serving users in Singapore and Malaysia.
  - Built Crypto Earn system, enabling automated asset deposits and interest calculations at scale.
  - Implemented multi-level referral system, driving commission-based customer acquisition and retention.
- ❖ **Intern PHP Web Developer | Viet Solution JSC** Dec 2013 – Sep 2014
  - Management software for local government agencies*
  - Tech focus: PHP, MySQL, Bootstrap, HTML, CSS, JavaScript, jQuery, Angular.**
  - Implemented backend and frontend for 3 local government software projects.
  - Delivered projects ahead of schedule consistently.

## EDUCATION

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- ❖ **Master of Computer Science | University of Wollongong, Australia** Graduation: Jun 2026
  - Majors: Cyber Security; Machine Learning and Big Data
  - Awarded EIS Summer Scholarship, implemented services for age care sector on **Azure** with **Terraform**
- ❖ **The Degree of Engineer in Software Engineering | FPT University**
  - Engineer's Degree in Software Engineering – GPA: 8.0/10
  - Twice awarded Semester's Excellent Student Award (top 3% of students)
  - Main contributor to capstone project; received highest score from exam board.

## CERTIFICATIONS

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- ❖ Pearson Test of English – Academic [\[Certificate\]](#)
- ❖ AWS Certified Solutions Architect – Associate [\[Certificate\]](#)
- ❖ AWS Certified Cloud Practitioner [\[Certificate\]](#)

## REFERENCES

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- ❖ Dr. Joseph Tonien, University of Wollongong
- ❖ Dr. John Le, University of Wollongong
- ❖ Prof. Ping Yu, University of Wollongong