

Muhammad B. Catubig

Software Development Lead | Team & Technical Leadership | Java, Angular & DevOps | Regulated pharmaceutical manufacturing

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PERSONAL PROFILE

I lead the team that develops and supports business-critical systems at an MHRA-licensed pharmaceutical manufacturer, where software underpins production and order fulfilment for NHS and private healthcare customers.

Over nearly ten years, I've moved from backend developer to team lead, combining line management with hands-on Java/Spring Boot and Angular development and DevOps. I've been part of a staged modernisation of our platform: clustering our database for high availability, moving from virtual machines to Kubernetes, and supporting a migration to AWS.

I care about systems that are reliable, well tested and not dependent on any one person. That includes developing the people around me, such as coaching a manual tester into our test automation lead, and recognising when a growing team needs dedicated expertise.

Interested in conversations about keeping core systems reliable and modernising them safely in regulated environments.

KEY SKILLS

- Programming Languages (Java, JavaScript, Python, C#, Visual Basic)
- Database Management Systems (MySQL, Oracle Database, Apache Derby)
- Web Development technologies (HTML, CSS, JavaScript, Angular, PHP)
- Frameworks (Back-end: Java EE/Glassfish, JPA, EJB and JSF, Apache Wicket, Spring Boot, Hibernate), (Front-end: Angular, jQuery and Bootstrap)
- Testing (JUnit, Selenium)
- DevOps and monitoring (Jenkins, Docker, Kubernetes, Ansible, Prometheus, Grafana)
- Version Control Systems (Git and SVN) and Build tools (Maven, Gradle and Ant)
- Team and technical leadership: line management, coaching, agile/Scrum delivery
- Office suite packages (Word, Excel, PowerPoint), Personal computer systems, Servers, and Mobile
- Good problem solving and analytical skills
- Languages: English and Tagalog (native or bilingual)

WORK EXPERIENCE AND EMPLOYMENT HISTORY

Software Development Lead, ITH Pharma Ltd.

Dec 2021 – Present

- Line manage developers and testers, including the QA test lead: setting priorities, running planning and releases, and conducting one-to-ones and appraisals.
- Guide design and development in Java (Spring Boot) and Angular for business-critical applications used across multiple group legal entities, and lead incident resolution and root-cause analysis.
- Introduced engineering standards (branching strategy, code review, ADRs, architecture diagrams, specifications), deployment runbooks and support playbooks, improving onboarding, traceability and consistency, and reducing dependence on individuals.
- Coached a manual QA tester into a test automation lead; together moved regression testing to Selenium/JUnit, cutting manual effort per release from days to hours.
- Owned DevOps (Jenkins, Docker, Kubernetes, Prometheus, Grafana), then interviewed and onboarded a senior DevOps engineer and handed over operational ownership.
- Contributed to a staged modernisation: MySQL InnoDB Cluster with ProxySQL, migration from virtual machines to Kubernetes, and support for a partner's AWS migration.

Software Development Engineer, ITH Pharma Ltd.**Feb 2017 – Dec 2021**

- Wrote specifications and developed backend features for the core Manufacturing & Ordering System (Java EE, Spring Boot, Hibernate, Wicket) in an MHRA-regulated environment.
- Built operational reports (BIRT) and provided live support to internal users and customers.

Junior Software Developer, Autoebid Ltd.**Oct 2016 – Jan 2017**

- Maintained and extended an existing fintech platform, developing backend code in Java EE (JPA, EJB, JSF) and frontend interfaces with JavaScript, jQuery and Bootstrap.
- Coded critical financial technology components and tested the system before and after go-live.

Crew Trainer / Shift Manager, McDonald's UK**Oct 2011 – Oct 2015**

- Ran shifts in a high-volume, time-critical environment, responsible for team performance, service standards and shift results.
- Trained and coached new crew members, building early experience in developing people that I continue to apply as a team lead.

Front-end Web Developer, College of North West London (Work Experience Programme)**April 2015 – May 2015**

- Gathered requirements directly from clients and translated them into website designs.
- Built and delivered websites using HTML and CSS within a short project timeframe.

EDUCATION**Bachelor of Science in Computer Science (Direct entry to final year)****Oct 2015 – April 2016**

Middlesex University, Hendon, London

Modules: *Graphics and Visualization, Novel Interaction Technologies, Artificial Intelligence*

- *Grade: 1st class*
- *My project task was to develop an Online General-Knowledge Quiz Application for Android.*

Foundation Degree in Science in Computing (Software Engineering)**Sept 2013 – Jul 2015**

College of North West London

Modules: *Data Structures and Algorithms, Intro to Operating Systems, Computer Architectures & Networks, Database Management Systems, Object-oriented Analysis, Design and Programming, Client/Server Web Systems*

- *I achieved 67% in my first-year equivalent to a 2:1 and 77% in my last year equivalent to a first class.*
- *My software project was to develop an Order Management System in Java for a small-business company.*

BTEC IT 90-Credit Level 3 Diploma (equivalent to 1.5 A Levels) with Functional Skills in Maths and English Level 2**2010 – 2013****BTEC IT Diploma Level 2 (equivalent to 4 GCSEs) with Functional Skills in English Level 1**

College of North West London

ITQ Level 2 Apprenticeship for IT Users with Key Skills in Communication and Numeracy Level 1**Sept 2010 – Nov 2010**

Information Horizons Training Centre (London)

Consumer Electronics & Computer Hardware Servicing**June 2009 – June 2010**

Technical Education & Skills Development Authority (Philippines)

Passed national exams in English, Mathematics, ICT, History, Music, Arts and P.E**June 2005 – Mar 2009**

Las Piñas North National High School (Philippines)

ADDITIONAL TRAINING

- Spring and Hibernate for Beginners: Learn Step-By-Step (Udemy)
- Java Database Connection: JDBC and MySQL (Udemy)
- Docker and Kubernetes: The Complete Guide (Udemy)
- Certificate in Oracle Academy Database Design and Programming with SQL
- Certificate of Training in Computer Hardware Servicing (Philippines)
- Certificate of Training in Consumer Electronics (Philippines)

HOBBIES AND INTERESTS

Keeping up with the latest Information technology news and updates and enjoying participating in programming-related discussions. Discovering modern development technologies and developing complex web/software projects. Playing my Guitar and Drums in my spare time.

REFERENCE AVAILABLE UPON REQUEST