

# JUVAR FERNANDEZ ABRERA

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## OBJECTIVE

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Software Engineer with 8+ years of experience in Full-Stack Web Development; 1+ year of Quality Assurance Testing; 4+ years of team leadership and CTO position in a healthtech startup and; 3+ years of public speaking of web development tools, seeking full-time backend, devsecops, systems analyst, lead dev roles.

## SKILLS

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**Technical Skills** Python, Django, Typescript, Java, OOP, Spring Boot, NodeJS, Playwright, E2E Testing (POM design), Postman API testing, Load Testing, MySQL, MongoDB, Google Cloud, Amazon Web Services, API REST, GitLab CI, CircleCI, GitHub Actions, FHIR, Docker, Apache Tomcat, Nginx, UI/UX, Git, React, Angular, VueJS, PHP

**Soft Skills** Problem-Solver, Strong Communicator, Leadership Skills, Mentorship, Team Collaboration, Adaptability, Agile Methodologies, Time Management, Eager to Learning New Tech

## EXPERIENCE

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**Software Engineering in Test (Freelance Work)**  
MeetsMore Inc.

December 1, 2023 – Present  
Ginza, Chuo City, Tokyo, Japan

- Refactored and optimized automated testing with an additional 800% test scripts and 90+% reliability
- Reduced 91.65% in time and 75% in cost by CI automated testing
- Improved Incident Management process

**Full-Stack Web Developer (Freelance Work)**

September 2023 – December 31, 2023  
Regional Integrated Multi-Hazard Early Warning System for Africa and Asia (RIMES) Pakistan

- Generated a flood data model with 1,000,000+ data points in 2 minutes with Python where initially would take 1 hour 20 minutes (97.5% faster).
- Generated crop production model with 15,000+ data points based on 3 parameters in sub 1 second where initially would take 40 seconds (98.75% faster).

**Junior to Lead Software Engineer (Freelance Work)**

September 2016 – December 31, 2023  
National Telehealth Center – University of the Philippines Manila Philippines

- Successfully designed, developed, deployed, and maintained 12 projects where I led on 6 projects on different kinds of systems ranging from a simple patient record registry to an electronic medical record system that is used by health centers across the Philippines.
- Optimized dashboard and reports at 110x speed that can be loaded within sub 1 second from 30-50 seconds.
- Entrusted by the Director to develop a COVID-19 Tracking System from scratch in less than 1 month that is used by 6,000 users including students, faculty, and staff.
- Mentored 2 senior and 2 junior developers in different technologies.

**Chief Technology Officer**  
Pivotal Peak Digital Health Solutions Inc.

September 2019 - Present  
Philippines

- Implemented technology plans aligned with the company's goals and overseeing our products ensuring data security.
- In-charge of communicating with stakeholders to get their business requirements and converting it to functional/technical requirements
- Continuous building, testing, deployment, and monitoring of products to stakeholders

**Senior System Analyst (Freelance Work)**  
Information Management Service, University of the Philippines Manila

September 2022 – February 2023  
Philippines

- Led 1 front-end and 1 back-end developer to develop a University Web Portal with different and useful user-centric features to be used by 6,000+ students, faculty, and staff.
- Successfully integrated the university's Google Authentication to the portal using SAML.

**Lead Software Engineer (Freelance Work)**  
College of Medicine – University of the Philippines Manila

April 2019 – March 2022  
Philippines

- Led 4 developers for the development of the self-sustaining college web portal with 14 different modules that is used by 1,600 users.
- In-charge of getting business requirements from stakeholders including the Dean and Associate Deans of the college, and key-point person of each department and offices.

**Community Manager & Creatives Director**  
Google Developer Group Philippines

August 2015 – December 2018  
Philippines

- Organized and provided talks and workshops to 29 Google tech events in 11 provinces across the Philippines reaching 6,433 professionals and students

## EDUCATION

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**Bachelor of Information Technology**, De La Salle University Dasmariñas, Philippines 2012-2016  
Dean's Honor List for 5 semesters; Best Thesis – Transaction Processing System Category

## PROJECTS

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**Lindol.Live.** An open-source project that lists all earthquake events in the Philippines since January 2017; renders relevant heatmap and charts on a dashboard; provides information about readiness and guides to earthquakes and; sends out notification via a post on X/Twitter. <https://lindol.live>

**Search Algorithm Visualizer.** <https://search-algorithm.projects.juvarabrera.com/>

**Git Art Planner.** Writes text on your github/gitlab contribution calendar and generates dates when to contribute to highlight specific dates in your contribution calendar. <https://git-art-planner.projects.juvarabrera.com/>

**Games Made From Scratch with Vanilla JS.** [Pacman Game](#) | [Solitaire Game](#) | [Snake Game](#) | [Tetris Game](#) | [Breakout Game](#)

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**Want to know more about me?** Please visit my website at [www.juvarabrera.com](http://www.juvarabrera.com)