

PATRICK TUMBUCON

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PROFESSIONAL EXPERIENCE

Amazon.com, Seattle, WA

July 2019 - Mar. 2021

Software Development Engineer, Compliance Tech

- Designed and developed a serverless *Scala* API in AWS that scaled up to process **600 requests/second** with low latency
- Designed **secure AWS architecture** for a full-stack application with *React*, granting stakeholder access to critical-level data
- Mentored 2 interns and **streamlined the team onboarding process**, enabling them to build the full-stack application within 3 months
- Owned the ML model refresh process from inception to production to **increase precision in identifying risky sellers by 5.5%**
- Built and managed pipelines with **integration and E2E tests** to support continuous deployments
- Reduced production fleet CPU utilization by **30%** through investigating and culling deprecated workflows
- Led and set standards for **retrospectives, task estimates and sprint priority planning** for 9 engineers
- Won 1st place in an org-wide hackathon by **prototyping a flexible queue service** in *Clojure* for operational tickets
- Resolved high-severity issues and **authored runbooks and dashboards** to prevent future issues

Esri, Redlands, CA

June 2018 - Sept. 2018

Technical SEO Intern

- Enabled rich presence for search results by implemented structured data schema across esri.com pages
- Raised multiple GIS-related keyword rankings to the 1st page in Google search results
- Collaborated with developers by bringing in a marketing perspective into their technical workflows

PROJECTS

Okizeme

Dec. 2020 - Present

A fighting game blog written in a React framework - Next.js.

- Utilizing server-side rendering to load markdown files as article pages with low latency
- Augmented article pages with accessible, SEO-friendly metadata
- Validating React component functionality with unit tests

AWARDS

2nd Place, Esri Intern Hackathon

July 2018

- Led a team of 5 to build, market, and brand Locus, a web app that uses location analytics to find a suitable neighborhood
- Presented the overview, implementation, and competitive advantages of Locus to an auditorium of Esri employees

1st Place, BioHack

May 2018

- Developed the web scraping feature of SeeFood, a web app that uses computer vision to identify food and fetch its macronutrients
- Designed CSS animations for the front end

VOLUNTEERING

Event Director, Citrus Hack 2019

Apr. 2018 - Apr. 2019

- Recruited and managed a team of 9 committee leads to implement the vision, theme, and necessary logistics for the 36-hour hackathon

Professional Development Chair, ACM@UCR

Mar. 2018 - Mar. 2019

- Coached CS students on professional branding, presentations, and technical interviewing

EDUCATION

University of California, Riverside

Sept. 2015 - June 2019

B.S. Computer Engineering

Attempted, dropped due to financial reasons

SKILLS

LANGUAGES: Scala, Python, JavaScript, C++

TOOLS: AWS, Node, Linux, Git, React.js