PATRICK TUMBUCON

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PROFESSIONAL EXPERIENCE

Microsoft Azure, Redmond, WA   June 2021 - Present
Software Engineer, Governance Insights
- **Designed and developing a full-stack system end-to-end** for Azure Active Directory tenant admins to remove extraneous guest access at scale
- **Mentored an intern in the middle of their internship** (near the start of my tenure) and learned alongside them to deliver a proof-of-concept project of the above system
- Collaborated with program managers, UX designers, and potential customers to **fine-tune requirements between simplicity and configurability**
- Documenting useful processes and resources as the **sole frontend/fullstack developer** on the team
- **Organizing virtual recurring social events** for our early-in-career cohort

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

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 university 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++, C#
TOOLS: AWS, Node, Linux, Git, React.js, Azure