PRAJWAL PYAKUREL

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Experience

Software Engineer, Microsoft, Seattle

Tech: C#, .NET, Azure (VMs, Kusto Cluster, etc), OpenAI plugins, Akamai   *Sep 2023 – present*
- Design develop, and maintain backend for Partner Portal services that thousands of Microsoft selling partners rely upon
- Designed and developed backend registry for Co-pilot to register and support OpenAI plugins

Software Development Engineer, **Amazon,** Seattle (Alexa Connected Devices)   *Nov 2021 – Aug 2023*

Tech: Java, AWS resources (SNS, SQS, DynamoDB, Lambda), TypeScript, Docker, Linux, REST API
- Designed, develop, and maintain Alexa Cloud with APIs that Create, Update or Delete records of millions of devices/apps every day
- Decreased manual set-up attempts for millions of users by adding mobile push notifications and home cards for devices silently connected to Alexa, and improving existing notifications
- Investigated and resolved 100+ customer-impacting issues and bugs across seven microservices, including one issue where the success rate of database synchronization was increased by ~90%
- Improved quality of data and performance of database by designing, developing, and executing scripts that remove tens of millions of unused entries in production database
- Onboarded new hires and mentored them on software engineering best practices at Amazon

Software Development Engineer, **Amazon,** Seattle (Retail)   *July 2021 – Nov 2021*

Tech: Java, TypeScript, JavaScript, DynamoDB and AWS resources(Lambda, API Gateway, SNS, SQS), REST API
- Increased visibility for sellers on Amazon by developing and maintaining website that provides subscription service to Amazon sellers to be endorsed by Amazon
- Increased sales by designing and developing feature that provides insights into what types of products are likely to be successful
- Increased scalability of database to support new features by designing improvements on dynamoDB schema, and migrating customer data into the new schema

Software Engineer (Volunteer), Code For San Jose, San Jose   *Aug 2020 - Sept 2020, March 2021*

Tech: React, MongoDB, Express, NodeJS, Twilio API, JWT, REST API
- Developed website that helps low income individuals apply for citizenship by collaborating with developers and stakeholders from various companies in Silicon Valley
- Designed and developed login page with JWT authentication, and MongoDB schema to persist customer information
- Researched and added feature to automatically send email to users upon triggers, using Twilio sendEmail API

Software Developer Intern, TIBCO, Palo Alto   *May 2020 – August 2020*

Tech: JavaScript, NodeJS, Angular, TypeScript, GitHub, Agile Methodology, Pug, Markdown, HTML5, CSS, Less
- Developed front end of internal documentation website, and made it more accessible, faster and user friendly
- Increased developer velocity by revamping code of web application (Flogo) to make it more consistent and reusable
- Constructed an open-source tool from scratch that extends the umbrella project of TIBCO(flogo) and serves as a plugin by leveraging JavaScript and NodeJS; see: github link

Technical Skills

Languages: Java, JavaScript, Python, TypeScript, C   **Web:** Spring Boot, React, Angular, Node JS, GraphQL, REST API

Database: MongoDB, MySQL, SQL/NoSQL, DynamoDB   **Testing:** JUnit, Selenium, Cypress, Postman, Jest

Infra: AWS Cloud Essentials, SNS, SQS, Kafka, EventBridge, Lambda, Docker, API Gateway, CD/CI, Distributed systems

Other: SDLC, Agile, JIRA, Test Driven Development, Object Oriented, Functional Programming, Guice, SOLID, Data Structures

Academics

Bachelor's Degree in Computer Science (with Honors) at San Jose State University, CA   **Graduation**: *May 2021*

GPA: 3.84 **| Awards**: SJSU A.S. Legacy Award (2020), SJSU Student Scholarship (2019)

Projects

Klout Social Media Manager App, SJSU   *February 2020 – May 2020*

Tech: React, NodeJS, Express, JavaScript, Heroku, HTML5, CSS, RESTful API, AJAX, Git, Twitter API, YouTube API, Instagram API
- Led a team of 5 to build app that displays social media statistics from different platforms so users can monitor their social media influence

- Contributed in frontend and backend of the MERN stack application; see: [github link](#)

Apache Zookeeper Performance Benchmarking (Research), SJSU *January 2021 - May 2021*
Tech: Python, Java, Linux Shell Scripting, Zookeeper, Git
- Researched Apache Zookeeper performance by running performance tests on different versions