FULL STACK DEVELOPER

Ash Dela Cruz

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EXPERIENCE

IT DEVELOPER II, POS PAYMENTS AND FULFILLMENTS TEAM, FLOOR & DECOR — 2019 - PRESENT

- **Order Management Web/Mobile Application** - Angular, Typescript, HTML, CSS, NPM, ElasticSearch, Capacitor, Jenkins, Karma/Jasmine, Nginx, SQL, Java backend

  - Co-developed rewrite of entire application to a modern codebase - reducing the team's volume of support tickets by 50% and ensuring long term support and scalability

  - Evangelized the practice of CI/CD in the department by successfully implementing the first CI/CD application - facilitating increased sprint velocity and developer capacity for multiple IT teams

  - Discovered missing requirement preventing sunset of legacy system - designed and developed iOS runtime for web app in 3 weeks to unblock migration and meet timelines

  - Resolved critical production outage and mitigated loss in sales revenue by quickly repairing the ElasticSearch instance - implemented pagination and sorting to optimize ES performance and prevent future outages

  - Streamlined application workflow by introducing ability to search for orders across all stores - minimized impact to performance using infinite-scroll and enhanced UX using ADA compliant UI changes

- **Monolithic Point-of-Sale Application** - Java, MSSQL Server Database, CLI and scripting, EJB servers, REST APIs, JavaSwing UI, and peripheral hardware

  - Lead project to develop and deploy Driver's License scanning, resulting in an 80% decrease in fraudulent credit transactions company-wide - created SOX/PCI compliant feature using JavaPOS standard, and software installers using NSIS scripts

  - Piloted DL scanning feature in the field, oversaw software deployment and hardware upgrade of 1,400 scan guns across more than 200 stores in collaboration with engineering team - created KB documentation in collaboration with support team

- **Product Lookup Web/Mobile Application** - Sole ownership; HTML and BackboneJS; Cordova iOS and Android runtime; Azure and Linux hosted backend; SQL queries library

  - Coordinated application restructuring project to migrate features from 4 applications into a single platform - leveraged modern APIs to consolidate end-to-end service processes and maximize app performance

  - Managed restoration of forgotten Price Scanner project to meet state guidelines and avoid legal penalties

PROJECTS

- Created Angular website hosted on a Raspberry Pi web server - running Nginx on Docker with TLS encryption

- Built an Airplay 2 enabled, iOS-controllable music interface display using soldered components and a Raspberry Pi 4 Model B running shairport-sync, MQTT broker, and flaschen-taschen servers

HARD SKILLS

Typescript, Angular, HTML, CSS, Docker, Nginx, NPM, Capacitor, ElasticSearch, Karma/Jasmine
Java, CLI, Linux, REST, SQL, Git, Postman, Springboot, Debugging, Troubleshooting

SOFT SKILLS

Collaboration, Initiative, Problem Solving, QA Testing, Documentation, AGILE

EDUCATION

Kennesaw State University — B.S. Computer Science, 2017