Senna Titcomb

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SKILLS AND TRAINING

Cloud Native Development Tools: **AWS** (ECR, ECS, EKS, S3, Amplify, DynamoDB, Cognito, Sagemaker, VPC, EC2, IAM, Lambda, Prometheus, Grafana), **Docker, Kubernetes, Terraform**
Programming Development Languages: **C++, C, Python, Java, HTML, JavaScript, Assembly, SQL, Go, Kotlin**
Operating Systems: **Windows, MacOS, Linux, iOS, Unix**
Software Development and Collaboration Tools: **JIRA, Github, Waterfall, Agile, SDLC, Helm, Figma, UI/UX Design**
CICD Tools: **Jenkins, Step Functions**
Other: **Microsoft Office, Jaeger, Zendesk, Zoho, Adobe, React, Node.js, Project Management**

RELEVANT PROJECTS

OpenTelemetry Data Analysis Platform

AWS, React, Node.js, HTML/CSS/Javascript, Figma, Terraform
Real-time telemetry data analysis visualizations for internal Intel customers. Functional and responsive UI for authenticated users to access experiments, download configurations, link to visualization dashboard. Opentelemetry collector on back-end. Fixing issues around comprehensivenss, efficiency, and bandwidth.

Business Intelligence Project: From SQL Tables to Visual Analytics

AWS, SQL, HTML/CSS/Javascript, Node.js, Python
Extraction of data from SQL databases and transforming into user-friendly dashboard for filtering, analysis, download, and reporting.

WeRide: Transit Application

UI/UX Design, Figma
Utilization of UX process, personas, prototyping, user testing, visual design, interaction design. Creation of POC broad-use transit application to suggest best mode of transportation in regards to price, time, convenience, and distance. Focus on international student accessibility and user satisfaction.

EXPERIENCE

Marketing and Analytics, Mass Ingenuity **— Oct 2023 - Present**

- Focus on enterprise performance management using SaaS based solution to drive results with performance data, visual analytics, and actionable insights. Help to achieve results and make critical business decisions.

Cloud Software Engineer Undergraduate Intern, Intel **— May 2022 - Aug 2023**

- Architecture and development from design to production of a SaaS observability platform for cloud native workloads
- Architecture and design of end-to-end hybrid and cloud native data pipeline for Intel workloads
- Collaborated and leading of cross-functional teams to diagram and transition from manual to cloud-based processes
- Architecture and development of pre-silicon workload analysis services for projecting performance on future platforms
- Containerized services for data analysis and consolidation of performance metrics
- Completion of feature-rich platform with dynamic UI, user authentication, and responsive components
- Implementation of IaC with Terraform to automate provisioning and management of cloud resources
- For all services, followed principles of opentelemetry, scalability, multi-tenancy, and self-service

Undergraduate Learning Assistant, Oregon State University **— March 2021 - June 2021, Jan 2022 - March 2022**

- Work weekly with Computer Science Professor to design programming assignments, project documents, and review worksheets
- Grade programming assignments and provide specific feedback
- Hold office hours for individual mentoring and grading
- Lead and teach weekly computer labs to college students
- Focus on problem solving, software engineering, object-oriented programming, algorithm design and program development

Microservices Observability Intern, Intel **— July 2021- December 2021**

- Part of automation tool development team that develops and maintains end to end services framework for Intel
- Extended Intel trace and distributed tracing capabilities for multiple internal and external use cases
- Focus on distributed systems, cloud-native observability, Jaeger traces, Kubernetes, AWS services, Docker, and data visualizations
- Work in an Agile environment with weekly sprint plannings and incremental deliverables
- Creation and editing of whitepapers, wiki articles, and technical documentation
- Presentation of work to principal engineers and architects, software engineering managers

Girls Love Technology, Coding, Hacking (GLTCH) Founder and President — 2019 - 2021

- Creation of presentations, emails, documentation on computer anatomy, coding basics, and ethical hacking
- Provide learning resources, camp/competition/workshop information, connections and recommendations to technology professionals

Technology Support Assistant, Lincoln High School **— August 2018 - June 2019**

- Support faculty and staff with technological problems including computer setup, projector malfunctions, etc.

EDUCATION

Oregon State University - Bachelor of Science in Computer Science, Minor in Psychology (*Dean's List, Honor Roll, Magna Cum Laude*)

References

Isaac Gonzalez, (isaac.gonzalez@intel.com)

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