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Ardy Ghoorchian

Experienced full-stack engineer with a strong focus on delivering scalable and secure web applications. Committed to ongoing learning and professional development. Proficient in various front-end and back-end programming languages, data architecture, and development environments. Adopts Agile approach to enhance test-driven development, change management, and overall software development initiatives.

Professional Experience

Software Engineer @General Motors — 2022 — Present

Advisor Workbench (frontend)

- Revamped existing Javascript codebase with Typescript, optimizing project scalability and enhancing code maintainability; achieved a 50% decrease in production issues and improved overall code quality and readability.
- Implemented robust pipelines incorporating Sonar Quality gates, resulting in a test coverage increase of 25% and a 50% reduction in critical bugs.
- Orchestrated the adoption of a shared component library and design system within Monorepo, leading to a 50% increase in design consistency, faster development cycle.
- Utilized SonarQube to measure/report on code quality metrics (complexity, duplication, standards compliance) to maintain high code quality.

OnStar and Sales Microservices (backend)

- DevOps effort for a distributed Spring Boot app with microservice architecture, serving over 15 countries.
- Developed a Python tool for efficiently managing service data changes, reducing manual effort by 80% and ensuring accurate and streamlined updates.
- Leveraged automation frameworks like Cucumber and Selenium and parallelized execution of feature files, resulting in a significant reduction of testing time by 60% and improving overall test coverage.
- Designed and proposed solutions for the seamless integration of Kafka within a project.

NCH Program (leadership)

- Mentored junior developers in React projects in a new college hire program, providing guidance and support to improve employee skills.

Web Developer Instructor @*theCoderSchool* — 2020 — 2022

- Spearheaded the design and development of software solutions utilizing SAP and MVC architecture, establishing industry best practices at theCoderSchool.
- Created a tailored curriculum for instructors, enabling them to maximize the potential of the Django framework's built-in features, resulting in a 30% increase in student engagement and a 25% improvement in project outcomes.
- Directed and monitored a wide range of projects as a results-driven project manager, meticulously assessing source code quality and providing invaluable support to the team.

Associate Software Developer @*Imaş Makina* — 2018 — 2020

- Developed a desktop application using Electron JS to simplify the annual report process for multiple branches.
- Engineered a custom REST and SOAP API for customer outreach, resulting in a 30% decrease in operational costs and a 20% increase in productivity by automating repetitive tasks and improving data accuracy.
- Designed, developed, and deployed a high-performance endpoint for serving advertisements on a web platform using Go

Education

Data Science B.A *@UC Berkeley emphasis on Molecular Biology and Genomics*

Skills & Others

Fullstack:

Python – Django, Flask, pytest, Django-rest-framework, Spark **Java** – Spring Boot, JUnit, Mockito
Golang – Gin **Ruby** – Rails
Javascript/Typescript – React, React Native, Node.js, Express, Redux, Jest, Enzyme, Material UI, Bootstrap, Webpack, Babel, ES6, Storybook, threejs
DB – SQL,NoSQL, MongoDB, Sqlite, Postgresql, Oracle

DevOps:

Kubernetes, Docker, Helm, Prometheus, Continuous Integration(Jenkins, CircleCI), Vault Integration(HashiCorp), Version Control(Git), Behavioral Driven Development (Gherkin, Cucumber), Agile Development (Azure DevOps, Azure Piplines), Cloud Development (AWS, Azure), Linux

MLOps:

Numpy, Pandas, TensorFlow, scikit-learn, PyTorch, Kubeflow, MLflow, XGBoost GPU, CUDA

ML:

Machine Learning: Classification, Clustering and Regression Techniques(GLM, GLMNET, NLS, MLE, SVM, KNN), Supervised and Unsupervised Learning, Deep Learning (ANN, CNN, RNN, LSTM), Neural Networks, Deep Learning

Methodologies and Architectures:

Microservices Architecture, Event-Driven Architecture (Apache Kafka, RabbitMQ), Event-based training architecture, Orchestrated pull-based training architecture, Batch architectural patterns, Online/real-time architecture.

US Citizen, No work sponsorship required. References available upon request.