Sena Zadeh

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Professional Work Experience

IBM Senior Software Engineer *May, 2022 - Current*

MultiCloud SaaS Platform Engineer
  - Contributed to developing shell scripts for CD automation, reducing deployment time by 32%
  - Implemented automated deployment pipelines using ArgoCD and Kubernetes containerization
  - Collaborated with cross-functional teams to streamline deployment processes
  - Integrated best practice solutions and architecture to legacy applications

Governance - Security and Compliance Center (SCC)
  - Designed and implemented RESTful APIs for 8 different microservices applications
  - Implemented cloud-based authentication and authorization mechanisms (e.g., OAuth, JWT)
  - Developed CI/CD pipelines to streamline the deployment processes using Jenkins and Docker
  - Optimized cloud application performance using Locust framework reducing over 38% CPU usage

Pearson eCommerce Engineer Front End Junior Developer *2020 - 2022*

Pearson Base Component Developer for Pearson+ App
  - Developed and maintained mobile front-end applications for both Android and iOS platforms
  - Collaborated closely with UI/UX designers to implement designs and ensure seamless integration
  - Integrated RESTful APIs and backend services into front-end applications to facilitate data exchange

UNC School of Medicine App and Web Development (AWD) *2018 - 2022*

UNC SOM Application Development
  - Developed and maintained mobile applications for Android and iOS platforms using Java and Swift
  - Successfully integrated third-party APIs and services to enhance application functionality
  - Designed and implemented responsive web applications using React, HTML, CSS, and JavaScript

Education

University of North Carolina at Chapel Hill
  Bachelor of Science, Computer Science & Mathematics
  Cumulative GPA: 3.8 - Dean's List Scholar x8

Skills & Expertise

  Programming Languages: Go, Python, Javascript, Java, C++, and TypeScript
  Frameworks and Libraries: React, Angular, Vue.js, Node.js, Django, and Flask
  Tools and Technologies: Git, Docker, Kubernetes, Jenkins, CI/CD, AWS, Azure, and Terraform
  Databases: SQL, MySQL, PostgreSQL, MongoDB, and Redis
  Business Skills: Agile Development, Collaborative, Problem Solving, Creativity, and Accountability
  Languages: Fluent in English and Persian (Farsi)

Licenses & Certification:

  • AWS Cloud Practitioner • IBM Certified Advocate - Cloud V2 • IBM Agile Explorer
  • IBM Enterprise Design Thinker • IBM Security and Privacy by Design • IBM Docker Essentials
  • IBM Deep Learning using TensorFlow • IBM Security Essentials for Architects
  • IBM Containers & Kubernetes • IBM Zero Trust Principles • IBM AI Ethics