

SONITA KOENIG

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A result-driven Full Stack Software Engineer with a strong background in developing and maintaining software solutions, specializing in designing and driving new feature custom software solutions. Strong algorithm, design patterns, frameworks, and development methodologies. Excited to leverage my existing experience and continue growing as a **Software Engineer** in a dynamic, challenging, and emerging technologies environment.

TECHNICAL SKILLS

- 3+ years experience in Java 8/11, JEE, and J2EE application development using Maven, Spring Boot, Spring REST/MVC, Spring Data JPA, Angular 8, Microservices, JSON and RESTful Web Services, OOP, Websocket, Kafka, Authentication
- 3+ years of experience in JavaScript, Node.js, React.js, React.ts, self-host, Firebase console, React Hook, MaterialUI
- 2+ years of experience in C#, ASP.NET, .NET Core, MVC, Angular, Bootstrap, CSS3, HTML5, TypeScript, Webforms
- 3+ years of experience in Relational Databases, Microsoft SQL Server, PostgreSQL, Stored Procedures, Entity Framework
- 3+ years of experience in QA management, Test Driven Development (TDD), Unit testing, and automation testing script
- 3+ years of experience in Git, Github, GitLab, Bitbucket, CI/CD Pipeline source control management
- 3+ years of experience in code refractory and distributed application environments
- 2+ years of experience in AWS, including AWS CodeBuild, CodeCommit, CodePipeline, Lambda, API Gateway, S3, EC2, Step Function, Serverless, CloudWatch, CloudFormation, IAM
- 2+ years of experience in Scrum and Agile Development Methodologies
- 6+ months of experience in Jira, Docker, Kubernetes, Swagger, Web Security Architecture, Cybersecurity

PROFESSIONAL EXPERIENCE

Software Engineer I - ACT Inc. | Iowa City, IA

1/2023 - 6/2023

Skills: Node.js, React, AWS, SQL, PostgreSQL, Postman, Express.js, Jess, TDD, Jenkins, RESTful APIs, Agile, Jira, Swagger, Bitbucket

- Developed a web application with advanced user interface features using React Typescript, RESTful APIs, modal dialog boxes, React Hook, MaterialUI, and authentication, resulting in a 15% improvement in user interface and user experience.
- Designed, deployed, tested, and managed software development in a Jenkins CI/CD infrastructure within an SDLC and DevOps environment (for backend and frontend), leading to a 15% scalability enhancement.
- Conducted comprehensive code refactoring, lambda expression, enhancing codebase readability, maintainability, and usability following microservices architecture principles, resulting in a 10% increase in quality reusable code.
- Using Bitbucket commit, push, and create pull request submit for technical lead to review code
- Implemented new RESTful APIs and updated the existing ones by using Node.js, Kubernetes, Docker, AWS, Express.js, SQL Server, PostgreSQL, DynamoDB, authentication, Postman, and Jess testing
- Collaborated with teams to optimize performance, design software, threat modeling, system architecture, code review, and software security principles, ensuring compliance with technical specifications, security, and software requirements.

Research Assistant - IINSPIRE LSAMP ISU | Ames, IA

10/2020 - 5/2022

Skills: Java, Python, R, Minitab, Tableau, Data Mining, GitLab

- Designed and implemented algorithms using R, Python, MatLab, Java, and Tableau and employed statistical analysis to rank essential COVID-19 genes from extensive microarray datasets.

Data Science Intern - Center for Statistic and Application Forensics Evidence | Ames, IA

6/2021 - 8/2021

Skills: Python, R, SQL, Power BI, Web Scrapping, Machine Learning, GitLab

- Developed interactive Shiny Dashboard featuring map, bar, and time series plots, achieving a 50% increase in user interface interaction; and implemented efficient algorithms for dataset mining, reducing manual mining time by 35%

Software Engineering Intern - National Optical Astronomy Observatory | Tucson, AZ

6/2019 - 8/2019

Skills: Python, SQL, Machine Learning, Google Collab, GitHub

- Utilized Python machine learning, mathematics, NumPy, panda, Matplotlib, and statistical analytics techniques to identify and analyze unusual stars, resulting in a 40% reduction in development time for the identification process.

PERSONAL PROJECTS

- E-commerce App: Implement a Dotnet-based movie online shopping by using C#, ASP.NET, MVC, DbContext, PayPal payment, authentication, RESTful APIs, Unit test
- Disaster Weather Android Mobile App: Developed an Android app by using Maven Java Spring Boot, Android Studio, WebSocket, Figma, SQL, RESTful APIs, Postman, Authentication, API call, Mockito testing,
- Shopping App: Created a React.js Web by using Node.js, Express.js, SQL, Figma, MaterialUI, RESTful APIs, Unit test

EDUCATION

- **Bachelor of Science in Computer Science** – Iowa State University | Ames, IA **Graduate date: 12/2022**
- **Master of Science in Information Technology** – University of the People | Pasadena, CA **Expected: 03/2025**