COREY LEE HURST

Senior Software Engineer | Backend Systems | Cloud Infrastructure

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PROFESSIONAL SUMMARY

Senior Software Engineer with 10+ years of experience developing scalable backend services in production environments. Expert in Java/Groovy on Grails applications, AWS cloud infrastructure, and DevOps automation. Proven ability to deliver complex technical initiatives including infrastructure migrations, security implementations, and observability solutions. Passionate about solving hard problems and collaborating with engineering teams to deliver high-quality software.

TECHNICAL SKILLS

Backend: Java, Groovy, Grails, Spring Framework, RESTful API, GraphQL, Microservices, Hibernate
Cloud & Infrastructure: AWS (ECS, EKS, Lambda, S3, RDS, EC2), Docker, Kubernetes, Helm, Terraform, OpenTofu
CI/CD & DevOps: Jenkins, Concourse CI, GitHub Actions, AWS CDK, Infrastructure as Code
Databases: MySQL, PostgreSQL, Oracle, MS SQL Server, Redis, Teradata, SQL Optimization
Monitoring & Security: Datadog (Alerts, Dashboards, APM), Okta OAuth, SSO, Data Encryption
Testing: JUnit, Mockito, JEST, Rest-Assured, TDD, BDD
Additional: Python, JavaScript, TypeScript, Node.js, React, Git, Agile/Scrum

PROFESSIONAL EXPERIENCE

Senior Software Engineer | NetJets | Columbus, Ohio

Contact: +1.877.356.5823 | 4151 Bridgeway Avenue, Columbus, Ohio 43219
December 2024 – Present

- Develop and maintain enterprise Java/Groovy on Grails applications supporting flight operations systems processing thousands of daily requests for mission-critical aviation services
- Design and implement RESTful APIs and GraphQL services enabling integration between internal systems and third-party vendors with secure authentication workflows
- Implemented Okta OAuth SSO integration for mobile vendor application with encrypted user data transmission for single-tenant access control
- Executed infrastructure migration from AWS CDK to Terraform (OpenTofu) and ECS to EKS using Docker, Kubernetes, and Helm as part of company-wide modernization initiative
- Built Datadog monitoring alerts, dashboards, and APM configurations for application performance tracking, error detection, and proactive incident response
- Optimized database performance with Redis caching solutions and SQL query optimization to improve response times
- Took ownership of legacy application during team transition, resolving critical bugs and security vulnerabilities while conducting knowledge transfer and creating technical documentation
- Provide on-call support rotation for approximately 15 flight operations applications, collaborating with cross-functional teams to deliver features aligned with business objectives

Leading EDJE Consultant / Senior Solutions Developer | Crown Equipment | New Bremen, Ohio

July 2021 – September 2024

- Collaborated with enterprise architects to decompose monolithic applications into microservices architecture using event-driven design patterns and AWS cloud-native solutions
- Developed full-stack applications combining backend services with React frontends, implementing UI/UX best practices in collaboration with Product Owners and Design Leads
- Utilized AWS certifications and Infrastructure as Code to design secure, scalable cloud infrastructure with Docker and Kubernetes orchestration
- Established comprehensive QA strategies using test pyramids, Test-Driven Development (TDD), and Behavior-Driven Development (BDD) with Gherkin syntax

- Led knowledge transfer for new team members and mentored junior developers on Agile methodologies, troubleshooting, and software engineering best practices

Software Developer | Nationwide Insurance | Columbus, Ohio

October 2014 – May 2021

- Designed and developed Business Intelligence and Big Data tools for sales and commission tracking systems using SQL, Teradata, and data warehouse best practices
- Led development teams in implementing software engineering best practices, Lean and Agile methodologies, improving team efficiency and delivery quality
- Implemented ETL (Extract, Transform, Load) processes and data pipelines for enterprise data management supporting business analytics
- Automated deployment workflows with CI/CD pipelines, custom scripts, and webhooks, reducing manual deployment effort and improving reliability

EDUCATION & CERTIFICATIONS

Bachelor of Science in Computer Science | Technical and Applied Studies
Ohio University | Graduated 2014

AWS Certified Cloud Practitioner | **AWS Certified Developer - Associate**

CORE COMPETENCIES

Backend Systems Architecture • Microservices Design • Cloud Infrastructure (AWS) • CI/CD Automation
Security & Compliance • Technical Leadership • Agile/Scrum • Cross-Functional Collaboration
Performance Optimization • API Design & Integration • Database Architecture • Monitoring & Observability