

# William Davis

Senior Full-Stack Engineer | 12+ Years Experience | Java, Python, JavaScript, Cloud & DevOps

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## PROFESSIONAL SUMMARY

Dynamic and results-driven **Senior Full-Stack Engineer** with over 12 years of experience in architecting and delivering high-performance **web and mobile applications**. Adept in designing **scalable microservices**, implementing **cloud-based architectures**, and optimizing frontend and backend solutions. Expertise in **Java, Python, JavaScript frameworks (React.js, Angular, Vue.js, Node.js), Spring Boot, Django, Flask, and Kubernetes**.

Strong foundation in **DevOps** practices, including **CI/CD automation, container orchestration (Docker, Kubernetes), and cloud computing (AWS, GCP, Azure)**. Passionate about delivering **efficient, maintainable, and secure** solutions while mentoring teams, driving **Agile best practices**, and ensuring **code quality**.

## SKILLS

### Technical Skills

Java, Kotlin, Spring Boot, Spring MVC, Spring Data, Spring Cloud, JDBC, JSP, Hibernate, Python, Django, Flask, FastAPI, Pandas, NumPy, JavaScript, TypeScript, Node.js, Angular, React.js, React Native, Vue.js, Next.js, Express.js, HTML5, CSS3, Tailwind CSS, SCSS, REST APIs, GraphQL, MySQL, PostgreSQL, MongoDB, Redis, Memcached, DevOps, Docker, Kubernetes, Git, Jira, Slack, Jenkins, Terraform, AWS, GCP, Azure, Apache Kafka, Elasticsearch, Microservices, gRPC, RxJS, NgRx, Amazon SQS, Redis Pub/Sub, AWS Lambda, API Gateway, DynamoDB, Step Functions, Vite, Webpack, GitHub Actions, Prometheus, Grafana, ELK Stack, AWS CloudWatch, OAuth 2.0, JWT, RBAC, OpenTelemetry, Jest, Mocha, Cypress, Selenium, SQLAlchemy, Apache Superset, D3.js, Chart.js, RabbitMQ, Firebase Auth, Jetpack Compose, Firebase, WebSockets, Amazon S3, Ansible, Helm, OpenAPI, OWASP, Amazon SNS, Apache Airflow

### Soft Skills

- |                      |                       |                         |                          |
|----------------------|-----------------------|-------------------------|--------------------------|
| • Problem-solving    | • Communication       | • Attention to Detail   | • Emotional intelligence |
| • Critical thinking  | • Mentorship          | • Creativity            | • Adaptability           |
| • Team collaboration | • Time Management     | • Conflict resolution   | • Decision-making        |
| • Leadership         | • Analytical thinking | • Organizational skills | • Proactive mindset      |

## EDUCATION

### Master's degree in Computer Science

University of Virginia | Charlottesville, VA | 04/2007 – 08/2013

## WORK EXPERIENCE

### Senior Full-stack Engineer

Proven | Austin, TX | 08/2021 – 11/2024

- Designed and implemented high-performance e-commerce platforms utilizing Java, Spring Boot, Django, Angular, TypeScript, RxJS, NgRx, and GraphQL, driving a 20% increase in customer engagement and scalability.
- Developed and optimized RESTful APIs and GraphQL endpoints, integrating microservices with Spring Cloud, Flask, gRPC, and Kubernetes, ensuring seamless communication, load balancing, and efficient service discovery.
- Engineered event-driven architectures with Apache Kafka, Amazon SQS, and Redis Pub/Sub, improving real-time data processing, caching, and microservices reliability.
- Led the design and deployment of serverless applications using AWS Lambda, API Gateway, DynamoDB, and Step Functions, reducing operational overhead while increasing performance and fault tolerance.

- Enhanced frontend architecture by developing reusable Vue.js, React.js, and Angular components, utilizing Next.js, Vite, and Webpack for optimized bundling and performance.
- Built and automated CI/CD pipelines using Jenkins, GitHub Actions, Terraform, and Kubernetes, reducing deployment times by 40% and ensuring zero-downtime releases with Canary and Blue-Green deployments.
- Strengthened cloud infrastructure security by implementing AWS IAM roles, VPC configurations, API Gateway policies, OAuth 2.0, JWT authentication, and role-based access control (RBAC) for microservices.
- Spearheaded system observability and performance monitoring using Prometheus, Grafana, ELK Stack, and AWS CloudWatch, proactively identifying and resolving system bottlenecks.
- Led a six-member development team, conducting code reviews, mentoring junior developers, and driving Agile best practices with Scrum, Jira, and Slack integration.

## **Senior Full-stack Engineer**

**GlobalLogic** | San Jose, CA | 09/2019 - 07/2021

- Developed and deployed cloud-native microservices using AWS Lambda, API Gateway, S3, and Cognito, ensuring high availability, security, and cost-efficiency.
- Built interactive and scalable frontends using Vue.js, Next.js, and React.js with TypeScript, implementing modular UI components with Material-UI, Tailwind CSS, and Bootstrap.
- Implemented Django ORM and SQLAlchemy for efficient database operations, integrating PostgreSQL and Redis caching for performance improvements.
- Integrated data analytics and visualization by leveraging D3.js, Chart.js, and Apache Superset, allowing users to interpret large-scale business intelligence data in real-time.
- Architected containerized microservices using Docker, Kubernetes (EKS, AKS, GKE), and Terraform, automating deployments and optimizing infrastructure scalability.
- Secured cloud storage and APIs by enforcing AWS S3 encryption, IAM bucket policies, OAuth 2.0 authentication, and OWASP security best practices to prevent vulnerabilities.
- Optimized backend performance with Spring Boot, Node.js, Express.js, FastAPI, Hibernate, and PostgreSQL, reducing API response times by 35% through efficient indexing and query optimization.
- Established centralized logging and monitoring using AWS CloudTrail, Datadog, OpenTelemetry, and Kibana, providing real-time insights and proactive system alerts.
- Improved end-to-end test automation with Jest, Mocha, Cypress, and Selenium, increasing test coverage and reducing production defects by 30%.

## **Senior Full-stack Engineer**

**AEM Corporation** | Herndon, VA | 08/2016 - 08/2019

- Designed and implemented enterprise-grade SaaS applications using Java, Spring Boot, Django, Node.js, and Express.js, serving thousands of concurrent users.
- Led the migration of legacy monolithic systems to microservices and event-driven architectures using Spring Cloud, Flask, Apache Kafka, and RabbitMQ, increasing system resilience and scalability.
- Developed highly interactive web dashboards using Vue.js, Angular, and React.js powered by REST APIs and GraphQL, improving user experience and performance.
- Integrated multi-tenant authentication and authorization using AWS Cognito, Firebase Auth, OAuth 2.0, and JWT, ensuring secure role-based access control (RBAC).
- Enhanced database scalability and reliability by implementing MongoDB sharding, Redis caching, and PostgreSQL indexing, reducing query response times by 40%.
- Built cross-platform mobile applications using Kotlin (Jetpack Compose) and React Native, increasing user engagement and accessibility.
- Configured AWS cloud environments with EC2, Elastic Beanstalk, RDS, S3, and SNS, automating deployments with Ansible, Terraform, and Helm for infrastructure as code (IaC).
- Established proactive monitoring and logging pipelines using Prometheus, Loki, ELK Stack, and AWS X-Ray, improving system observability and reducing incident resolution times.

## **Java Developer**

**Mobomo** | Vienna, VA | 06/2014 - 08/2016

- Designed and optimized Android applications using Java, Android SDK, and Firebase, ensuring smooth performance and scalable architecture.
- Created mobile applications using Kotlin (Jetpack Compose), React Native, and Firebase, enabling cross-platform accessibility.
- Developed highly interactive UIs using Vue.js, Angular, and SCSS, streamlining frontend development with reusable component libraries.
- Built real-time applications using React, WebSockets, and Node.js, enabling instant messaging and live notification features.
- Implemented asynchronous processing pipelines with MongoDB, Amazon SQS, and Redis queues, enhancing API responsiveness and reducing server load.

## **Web Developer**

**Lean Discovery Group** | Norfolk, VA | 09/2013 - 06/2014

- Developed and maintained dynamic, responsive web applications using React.js, Django, and Flask, optimizing UX and performance.
- Implemented real-time WebSockets-based features with Django Channels and Node.js, enhancing application interactivity.
- Designed scalable backend services with FastAPI, GraphQL, PostgreSQL, and Redis, ensuring high availability and fast API responses.
- Automated ETL pipelines and data processing workflows using Apache Airflow, Pandas, and NumPy, improving data ingestion and reporting efficiency.
- Created reusable, modular UI components with Angular Material, Bootstrap, and Tailwind CSS, streamlining frontend consistency and scalability.