

AKHILESH KUMAR

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PORTFOLIO

[Online Portfolio/Resume](#)

[LinkedIn](#)

SUMMARY

Experienced Software Engineer with a strong background in Java, JavaScript, SQL, and various web technologies. Proven track record in leading development teams, managing projects, and improving application performance. Skilled in full-stack development, performance optimization, and system integration. Seeking to leverage my expertise in a challenging Software Engineering role.

EDUCATION

Master of Science in Computer Science and Engineering, Miami University, Oxford, OH, USA.

August 2011 – December 2013.

GPA: 3.82/4.0

Bachelor of Technology in Computer Science, Uttar Pradesh Technical University, U.P., India.

August 2006 – May 2010.

SKILLS

Languages/Frameworks:

Java, J2EE, SQL, PL/SQL, JavaScript, HTML, CSS, JDBC, ReactJS, JSP, JUnit, Spring Framework, Spring Batch, MongoDB, MVC, XML, JSON, XAML, C, C++/STL, C#, WPF, BASIC, R, PHP, MIPS, Flex, Bison.

Platforms/Tools:

Windows, Linux, Git, Eclipse, Maven, Docker, Apache Kafka, Kubernetes, Microservices, Redis, Spring Tool Suite, IBM RAD, Visual Studio Code, JProfiler, Splunk, LogRocket, SVN, JIRA, Jama, Perforce, Oracle Database, MySQL Server, DB2 Database, Postgres, Qualitia, IBM RPT, HP LoadRunner, SOAPUI, Apache Tomcat, JBOSS, WebSphere.

Certifications:

- OCAJP Java SE 7
- Oracle Certified Professional Java SE 11 Developer
- ExitCertified Kubernetes for Developers
- Udemy Certificates for JavaScript, Kafka, ReactJS and Web Development courses

EXPERIENCE

Senior Solution Specialist. Deloitte Consulting LLP, Orlando, FL

June 2022-Present.

- Led a team of five developers for Tennessee DHS project, managing Scheduling, Office Management, and Security modules.
- Implemented a Scheduling system for DHS workers to schedule client interviews, improving efficiency.
- Collaborated with the Performance team to identify and resolve performance bottlenecks, enhancing page responsiveness and overall application performance.
- Worked on the Notice module for the Tennessee Childcare project, using Spring Batch for scheduling and JSP, JavaScript, CSS for notice generation.
- Developed web services for user creation and updates.
- Technologies: Java, JSP, JavaScript, Spring Batch, HTML, CSS, Splunk, JIRA, Git, Oracle Database, Rest API, JBOSS server.

Solution Specialist. Deloitte Consulting LLP, Orlando, FL

August 2017-June 2022.

- Led a team of three for the DSS project, delivering solutions for the Department of Social Services, Connecticut.
- Worked on various modules like Notices, Admin, Eligibility, Application Registration, Data Collection
- Identified and fixed performance issues using tools like JProfiler, IBM RPT, and HP LoadRunner.
- Technologies: Java, JSP, IBM WebSphere, DB2 Database, Apache POI, Qualitia, SVN, IBM RPT, JProfiler, HP LoadRunner, SOAPUI

Solution Analyst. Deloitte Consulting LLP, Orlando, FL

March 2015-August 2017.

- Contributed to the Integrated Eligibility project, simplifying benefit eligibility determination for Connecticut citizens.
- Developed and maintained code using Java, JSP, and IBM WebSphere.
- Technologies: Java, JSP, IBM WebSphere, DB2 Database, Apache POI, Qualitia, SVN, IBM RPT, JProfiler

Software Engineer. London Computer Systems, Loveland, OH

December 2013 –March 2015.

- Developed and maintained the Rent Management system, enhancing property management capabilities.
- Worked on the Net Dial Tone project, integrating VoIP systems with Rent Manager.
- Worked on various modules of project using WPF, C#, and SQL.
- Technologies: C#, WPF, SQL

Teaching Assistant. Miami University.

August 2011–May 2013.

Delivered lectures and graded two undergraduate classes: Object Oriented Programming, Business Computing.

SELECTED PROJECTS

Link to Projects: [GitHub](#)

Secure Multi-party Computation. Used Java socket programming and multi-threading to implement a secure multi-party computation model. Based on the security requirement this model can be made secure against any number of malicious servers.

Cryptographic Scheme for Searching Encrypted Data. Used Java to implement a cryptographic scheme. In this project, I implemented a scheme which can be used to search encrypted data over the mail servers without compromising the security of users.

Micro Compiler. Used C, Flex and Bison to implement a micro compiler. The compiler accepts a high level language and generates corresponding three address code.

Music Composer. Used C++ to implement a music composer that creates and/or manipulates audio signal stored as wav/RIFF files. Users can create their own audio files from musical notes or manipulate audio signal to create multi-track list of their favorite songs.

Undergraduate Project “Graphicizer”. The project titled “Graphicizer” is an application software, which aims at the development of an Image Processing System developed in JAVA SWING and related technologies. Later enhancements of the projects helped to process videos as well.

Industrial Trainee. Northeastern Indian Railways Headquarters, Gorakhpur, India: Completed industrial training in Signal and Telecommunication Department of Northeastern Indian Railways in areas related to Microwave Station, Electronic Exchange, Passenger Reservation System, Unreserved Ticketing System, Relays and Domino Panel.

Research Trainee. Computer Science and Engineering, Miami University: Successfully implemented research on Increasing Security in Multi-Party System.