

Sheik Hassan – Senior Software Engineer

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Experience

Senior Software Engineer | PSEG Corp | Newark, NJ | July 2024 – Present

PSEG Web Applications Team - (Angular, Typescript, React, Azure, .Net, C#, SQL)

Led integrations from various vendors (Content Square, Azure, Google), resolve support items, and contribute features for pseg.com and worryfree products.

- Deliver efficient IT support for all pseg.com and worryfree.com website issues including cert renewals, environment updates, and resolving security vulnerabilities.
- Design and implement new features for pseg.com and worryfree.com through collaboration with business teams and leadership teams.
- Collaborate with various vendors to integrate new services into our web application platform.
- Lead and implement and deliver pseg.com Content Square analytics suit integration for pseg.com.
- Lead and implement Google Commerce integration for worryfree.com appliance insurance micro-site.
- Lead and implement features in Angular and Javascript for worryfree.com appliance insurance micro-site and work with Azure integration and deployment tools.
- Lead and implement features in .NET and C# for pseg.com.

Full Stack Engineer | Comcast Corp | Philadelphia, PA | July 2019 – July 2024

Customer Timeline Team - (Angular, React, Node, Typescript/Javascript, SQL)

Led feature development for a highly visible internal application used for Higher Tier Support to engage with millions of customers to maintain Comcast Live IP Streaming Services.

- Customer Timeline is an internal application that allows employees to see a history of all of the events that happened to a comcast customer in the ecosystem – from purchases, and bill payments, to service problems, service calls, and even truck rolls.
- Migrated a Java Timeline-API, a central microservice for consuming and producing event data managing billions of customer events, to a Node.js/express API in Typescript and deployed application to Aws beanstalk with AWS API gateway in front and using AWS load balancers.
- Lead feature development and programmed in Typescript for a comcast user data Node.js/Express API called Profile-API.
- Application lead on Data-Manager, a custom Node.js API written to manage ingesting and defining data transformation and validation schemas for teams across comcast and supporting thousands of users.

- Provide on-call support for our applications running on AWS Beanstalk by responding to queries from users, fixing issues when service outages occur, managing RDS and DynamoDB tables for our applications and other administrative functions for supporting our apps.
- Application lead on Elements, a node.js API and AngularJS UI ecosystem for users to onboard their application events and have their data appear on the Customer Timeline.
- Write javascript code for AWS Lambdas that are called for updating customer models, performing polling, updating SQS Queues to support the data-manager application
- Participated on multiple Agile teams to work on new features, updating existing features, POC's and resolving bugs as per PO/User Story requirements and stakeholder feedback.
- Utilized SQL for writing queries and designing tables.
- Worked on coding, unit, end to end, and integration tests to fully automate testing and maintain code coverage.
- Translated business requirements into JIRA stories, ensuring effective communication with product owners.
- Optimized Dev Ops and SRE tasks for Dev, Stage and Production Deployments for operations and automated code deployments in CICD pipeline in Jenkins and Concourse.
- Architected and developed multiple features for a data onboarding tool.
- Architected and developed several MVC Fullstack UI Applications for demonstrating latest frameworks and technologies like Next.js, React Server Components.
- Lead feature development for UI applications, SRE support, and various other projects.
- Managed feature epics – from creating stories, assigning work, and planning capacity to executing development and communicating with stakeholders.

Full Stack Engineer | NBC Universal | Various Locations | July 2017 - July 2019 Professional Services Consultant - (Machine Learning, Angular, Java)

Worked as an internal consultant on a number of teams in NBC and Comcast to provide Full Stack Engineering services to ramp up, ramp down, and augment projects. Projects include Comcast's X1 Streaming Platform and Language Machine Learning tools for NBC.

- Led Engineering effort to integrate Machine Learning intelligence into NBC's application for ingesting and delivering video assets.
- Designed and programmed Machine Learning orchestration tools for language detection of raw assets and helped to launch an end to end POC using AWS.
- Collaborated with key stakeholders to evangelize ML Language Detection Tools.
- Designed and built Angular application for tracking NBC assets and managed CICD pipelines via Docker and Kubernetes.
- Worked on the front end and back end supporting metadata for the X1 Streaming Platform.
- Utilized Java 8 with Spring Boot framework for backend api development.
- Programmed searchable API and microservices using Lucene indices.
- Gathered requirements, facilitated triaging of critical features and bugs, and partnered together for effective teamwork.
- Architecture, UX, and Product to deliver features and patch bugs.

Software Engineer | UPenn, Comcast, Children's Hospital of Philadelphia | Various Locations | March 2014 - July 2017 Professional Services Consultant - (Angular, Product Design, Backend Development, Architecture)

Worked as a consultant at various companies to provide Full Stack Engineering services to ramp up, and augment existing projects or start new initiatives. Projects include an Autism Application for CAR,

web applications for UPenn School of Arts and Sciences and back-end api work in node.js for Comcast's CMS.

- Led Design and Engineering effort for Android app for supporting Autism research at the Center for Autism (CAR).
- Conducted user studies and iterative development on Android application.
- Collaborated with key stakeholders to evangelize Android application for CAR, as well as web applications developed for UPenn.
- Designed and built web applications for cancer research for Children's Hospital.
- Maintained and engineered features for web sites for the UPenn School of Arts and Sciences
- Programmed searchable API and microservices using Lucene indices.
- Gathered requirements, facilitated triaging of critical features and bugs on all applications.
- Architecture, UX, and Product to deliver features and patch bugs.

Strengths, Skills & Certificates

- 7+ years of experience in software development
- Proficient in JavaScript ES2015+ (React, Next.js, Redux, Typescript, Angular), C#, .NET, Python, and Node
- Knowledgeable in MongoDB, and PostgreSQL and SQL, Prisma Db ORM, Express and other backend tools and technologies.
- Experience working with Jenkins pipelines, Concourse, Docker, AWS, Vector Log Shipper, Pivotal Cloud Foundry (PCF), and Azure.
- Strong understanding of modern, cloud-hosted, single-page applications
- Excellent teamwork and collaboration skills, with a focus on delivering business value

Education

Software Engineering B.S/English | Drexel University | Philadelphia, PA | 2012 - 2017