

# JOEL BUIKEMA

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Python 

Typescript 

AWS 

## Education

- CTS
- BMCC - Broadcast Technology

## Work History

2018-Present **Senior Software Engineer - Broadcast Solutions** Sportradar AG

*Design, develop and work in an agile team to build to scale comprehensive data graphics applications that create and deliver customized solutions to major networks in a dynamic live sports environment.*

- Test and deploy unique broadcast graphics software solutions to enterprise customers (CBS, FOX, NBC, Bally Sports etc.) with hundreds of millions of TV viewers
- Utilize Python (Pandas, Flask) and TypeScript programming languages
- Employ data-driven architecture and systems design, including RESTful APIs, microservices architecture, GraphQL, SQL, NoSQL, and In-memory stores
- Implement AWS services such as S3, Lambda, Step functions, and API Gateway to build scalable and reliable serverless applications
- Develop and maintain CI/CD pipelines using AWS CodePipeline and CodeBuild
- Utilize AWS CloudFormation to define and deploy infrastructure as code

2013-2018 **Senior Broadcast/ Systems Engineer** CBS Sports Network

- Support on-air transmission and team of engineers with post production facilities, media asset management with Adobe Premiere, Avid, Chyron & graphics rendering
- Project Management including research, consulting, planning and design of technology upgrades
- Maintain technologies vital to live and file-based digital work flows
- Design and Develop software solutions for internal backend applications in Python, Javascript, SQL & PostgreSQL
- Oversee and maintain NAS, SAN, Windows & Linux servers, network & virtual environment

2012-2013 **AV Project Manager & Systems Engineer** Technical Operations Inc.

- Design and oversee AV installations for corporations and schools
- Service calls and consulting on IT systems

2009-2012 **Lead Audio Visual Technician** Presentation Products Inc. & Shadowbox Design Mgmt. & PSA

- Lead AV technician & audio specialist (A1) for corporate and commercial events, conferences, presentations and meetings, primarily at *Scholastic Inc.*
- Install SMART boards, Crestron systems, projectors, digital signage, configuring DSPs, Clearone and Cisco teleconferencing
- Work with PA systems, mics, antenna systems, projectors, screens, video distribution & switcher systems and custom cable creation *Polycom & Tandberg* teleconferencing & *TriCaster* systems

2005-2009 **Chief Audio Engineer & Mixer** Recording studios and live venues

- Joes Public Theater, Kumble Theater (LIU), The Hook, Rocks Off etc...