David K. Overstreet was born on January 14, 1966, in Mt. Vernon, Illinois. He received his Bachelor of Science degree from Lipscomb University and his Juris Doctor degree from the University of Tennessee. He practiced law with Miller, Tracy, Braun & Wilson, Ltd of Monticello, Illinois, from 1991 to 1992, with the Law Office of Peter G. Angelos of Knoxville, Tennessee, from 1992 to 1995, and with Mitchell, Neubauer, Shaw & Hanson, P.C., Neubauer, Hanson & Overstreet, P.C., and Neubauer & Overstreet, P.C. of Mt. Vernon, Illinois, from 1995 until his appointment to the Second Judicial Circuit Court in 2007. After being appointed to the bench, Judge Overstreet successfully ran for election in 2008 and was retained in 2014. He was assigned to the Fifth District Appellate Court in 2017 and successfully ran for election to the Appellate Court in 2018. He serves as the Presiding Justice of the Fifth District Appellate Court in 2019 and as the alternate member of the Illinois Worker's Compensation Division of the Appellate Court.

Judge Overstreet currently serves on the Illinois Supreme Court Judicial Conference, the Illinois Supreme Court Committee on Judicial Education, the Illinois Judicial College, and the Illinois Supreme Court Judicial Mentoring Committee, and he is the co-chair of the Family Law track of the Illinois Judicial Education Conference 2020. Judge Overstreet has served as Treasurer of the Illinois Judges Association for the 2018-19 term and previously served on the Board of Directors and as an Executive Committee member of the Illinois Judges Association. Judge Overstreet also previously served on the Illinois Supreme Court Strategic Planning Committee, the Illinois Supreme Court Committee on Juvenile Justice, as chair of the Second Judicial Circuit's professionalism committee and program administrator of its lawyer-to-lawyer mentoring program, and as President of the Jefferson County Bar Association. Judge Overstreet and his wife Suzanne have three children.